## **ALAGAPPA UNIVERSITY**

(Accredited with A+ Grade by NAAC (CGPA: 3.64) in the Third Cycle, Graded as Category-I University and granted autonomy by MHRD-UGC)

# DIRECTORATE OF COLLABORATIVE PROGRAMMES



## **Bachelor of Science in Animation**

Regulations and Syllabus
[For those who join the Course in July 2023 and after]
CHOICE BASED CREDIT SYSTEM

## **Regulations and Syllabus**

#### **GENERAL INSTRUCTIONS AND REGULATIONS**

**B.Sc. Animation** conducted by Alagappa University, Karaikudi, Tamil Nadu through its Collaborative Institution.

Applicable to all the candidates admitted from the academic year **2023** onwards.

## 1. Eligibility:

A pass in the Higher Secondary Examination (HSC) conducted by the Government of Tamil Nadu, or an examination accepted as equivalent thereto by the Syndicate for admission to this programme.

## 2. For the Degree:

The candidates shall have subsequently undergone the prescribed program of study in an institute for not less than three academic years, passed the examinations prescribed and fulfill such conditions as have been prescribed thereof.

#### 3. Admission:

Admission is based on the marks in the qualifying examination.

#### 4. Duration of the course:

The course shall extend over a period of **Three years** under Semester pattern.

#### 5. Standard of Passing and Award of Division:

- a. Students shall have a minimum of 40% of total marks of the University examinations in each subject. The overall passing minimum is 40% both in aggregate of Continuous Internal Assessment and external in each subject.
- b. The minimum marks for passing in each theory / Lab course shall be 40% of the marks prescribed for the paper / lab.
- c. A candidate who secures 40% or more marks but less than 50% of the aggregate marks prescribed for three years taken together, shall be awarded **THIRD CLASS**.
- d. A candidate who secures 50% or more marks but less than 60% of the aggregate marks prescribed for three years taken together, shall be awarded **SECOND CLASS**.
- e. A candidate who secures 60% or more of the aggregate marks prescribed for three years taken together, shall be awarded **FIRST CLASS**.
- f. Only Part-III subjects will be considered for the University academic ranking purpose.
- g. The Practical / Project shall be assessed by the two examiners, by an internal examiner and an external examiner.

#### 6. Continuous internal Assessment:

- a. Continuous Internal Assessment for each paper shall be by means of Written Tests, Assignments, Class tests and Seminars
- b. **25 marks** allotted for the Continuous Internal assessment is distributed for Written Test, Assignment, Class test and Seminars.
- c. Internal Assessment Break-Up of Marks, suggested pattern (Faculty may change the pattern, according to the subject and need)
  - a. Two Internal Tests (choose one best out of two) 50%
  - b. Model Test (One model test) Nil Should be conducted prior to the University examination. It is a mandate.
  - c. Assignments 25%
  - d. Seminar / Case Study 25%

- d. Conduct of the continuous internal assessment shall be the responsibility of the concerned faculty.
- e. The continuous internal assessment marks should be submitted to the University at the end of every semester, before the commencement of Semester Exams.
- f. The valued answer papers/assignments should be given to the students after the valuation is over and they should be asked to check up and satisfy themselves about the marks they have scored.
- g. All mark lists and other records connected with the continuous internal assessments should be in the safe custody of the institution for at least one year after the assessment.

#### 7. Attendance:

Students must have earned 75% of attendance in each course for appearing for the examination.

Students who have earned 74% to 70% of attendance have to apply for condonation in the prescribed form with the prescribed fee.

Students who have earned 69% to 60% of attendance have to apply for condonation on Medical grounds in the prescribed form with the prescribed fee along with the medical certificate / relevant documents.

Students who have below 60% of attendance are not eligible to appear for the examination. They shall re-do the semester(s) after completion of the programme.

#### 8. Examination:

Candidate must complete course duration to appear for the university examination. Examination will be conducted with concurrence of Controller of Examinations as per the Alagappa University regulations. University may send the representatives as the observer during examinations. University Examination will be held at the end of the each semester for duration of 3 hours for each subject. Certificate will be issued as per the AU regulations. Hall ticket will be issued to the students at the end of every semester after submitting "No Dues" certificate to the exam cell, under the aegis of Controller of Examinations of the AU.

## 9. Question Paper pattern:

Maximum: 75 Marks Duration: 3Hours

Part A - Short answer questions with no choice  $: 10 \times 02=20$ Part B -Brief answer with either or type  $: 05 \times 05=25$ Part C- Essay – type questions of either / or type  $: 03 \times 10=30$ 

## 10. Miscellaneous

- a. Every student should possess the prescribed text book for all the subjects, through-out the semester for their theory/lab classes.
- b. Every student would be issued an Identity card by the institute/university to identify his/her admission to the course.
- c. Every student shall access the library and internet (wi-fi) facilities provided for the self-development and career-development.
- d. Every student who successfully completes the course within the stipulated time period would be awarded the degree by the University.

#### 11. Fee structure

Course fee shall be as prescribed by the University and 50% of the course fee should be disbursed to University. Special fees and other fees shall be as prescribed by the Institution and the fees structure must be intimated to the University. Course fees should be only by Demand draft / NEFT and AU has right to revise the fees accordingly.

## **Semester Pattern**

Pattern	Course Fee payment deadline
Semester	Fee must be paid before 10 <sup>th</sup> September of the academic year

**12. Other Regulations:**Besides the above, the common regulation of the University shall also be applicable to this programme.

**B.Sc.** Animation - Programme structure

Sam	Dowt	Courses	Sub	Subject	T/P	Cr.	Hrs./	Max. Marks		
Sem.	Part	Courses	Code	Subject	1/P	Cr.	Week	Int.	Ext.	Total
	I	T/OL	83211T/ 11H/11F	Tamil / Other Languages-I	Т	3	4	25	75	100
	II	Е	83212	General English-I	Т	3	4	25	75	100
		Core 1	83213	Fundamentals of ART	Т	4	5	25	75	100
		Core 2	83214	ART - Practical	P	4	6	25	75	100
I	III	Allied1	83215	Introduction to Visual Communication	Т	3	3	25	75	100
		Allied2	83216	Visual Communication - Practical	P	2	4	25	75	100
	IV	SEC	83217	Value Education	T	2	2	25	<mark>75</mark>	100
				Library			2			
				Total		21	30	175	525	700
	I	T/OL	83221T	Tamil / Other Languages-II	Т	3	4	25	75	100
	II	Е	83222	General English-II	T	3	4	25	75	100
		Core 3	83223	Design Study	T	4	5	25	75	100
		Core 4	83224	Design Study- Practical	P	4	6	25	75	100
	III	Allied 3	83225	Digital Design Techniques	T	3	3	25	75	100
II		Allied 4	83226	Digital Design Techniques - Practical	P	2	4	25	75	100
		SEC –II	83227	Environmental Studies	T	2	2	<mark>25</mark>	<mark>75</mark>	100
	IV			Library			2			
			83228A/ 83228B	Internship/ Mini Project	I/ PR	2		25	75	100
				Total		23	30	200	600	800
	I	T/OL	83231T	Tamil / Other Languages-III	Т	3	4	25	75	100
	II	Е	83232	General English-III	T	3	4	25	75	100
III		Core 5	83233	2D & Experimental Animation	T	3	3	25	75	100
		Core 6	83234	Film Language & Appreciation	T	3	3	25	75	100

		Core 7	83235	2D & Experimental Animation - Practical	P	3	5	25	75	100
	III		83236	Advanced Art for Animation	T	3	3	25	75	100
			83237	Advanced Art for Animation - Practical	P	2	4	25	75	100
		SEC-III	83238	Entrepreneurship	T	2	2	<mark>25</mark>	<mark>75</mark>	100
			02220	Adipadai Tami	P	2				100
	IV	NME- I	83239A 83239B	Advance Tami	T		2	<mark>25</mark>	<mark>75</mark>	
	''		83239C	IT Skills for Employment	T					
				Total		24	30	225	675	900
	I	T/OL	83241T	Tamil /Other Languages-IV	Т	3	4	25	75	100
	II	Е	83242	General English-IV	T	3	4	25	75	100
		Core 8	83243	Advanced Animation Techniques	Т	4	4	25	75	100
		Core 9	83244	3D Modeling & Texturing	T	4	4	25	75	100
		Core 10	83245	3D Modeling & Texturing- Practical	P	3	5	25	75	100
		Allied 7	83246	Media Production Techniques	T	3	3	25	75	100
IV	III	Allied 8	83247	Animation Production Techniques - Practical	P	2	4	25	75	100
			83248	Internship	I	2		25	75	100
				1. Adipadai Tami	P					
		NI CE II	83249A 83249B	2. Advance Tami	T	_	<u>.</u>	0.5	<del>a.c</del>	
	IV	NME-II	83249C	3. Small Business Management /	T	2	2	<mark>25</mark>	<mark>75</mark>	100
				4. MOOC'S	T					
				Total		26	30	225	675	900
		Core 11	83251	Business of Media	T	4	5	25	75	100
		Core 12	83252	Portfolio & Presentation	T	4	5	25	75	100
V		DSE 1	83253A 83253B 83253C	Character Design and Illustration - Practical     Matte Painting- Practical     Digital Graphics Editing-Practical	P	4	4	25	75	100
	DSE 2		83254A 83254B	Advanced Modeling and     Texturing- Practical     Digital Sculpting- Practical	P	4	4	25	75	100

			83254C	3. Creature Sculpt- Practical		l l				
	III	DSE 3	83255A 83255B 83255C	1. Live with CG- Practical 2. Advanced Composition- Practical 3. Advanced Motion Graphics- Practical	P	4	4	25	75	100
		Core 13	83256	Portfolio & Presentation - Practical	P	3	6	25	75	100
				Career Development/Employability Skills		li e	2			
				Total		23	30	150	450	600
		Core 14	83261	Production Management	T	4	4	25	75	100
		Core 15	83262	Sonic Dimensions in Animation	T	4	4	25	75	100
		Core 16	83263	Animation Film Making - Practical	P	3	6	25	75	100
VI	III	DSE 4	83264A 83264B 83264C	Visual Effects for Animation     Advanced Video Editing     Techniques     Advanced Lighting and     Rendering	P	4	4	25	75	100
		Core 17	83265A/ 83265B	Project\ Dissertation	PR/ D	8	12	25	75	100
				Total		23	30	125	375	500
	Grand Total						180	1100	3300	4400

 $\ensuremath{\mathsf{DSE}}-\ensuremath{\mathsf{Student}}$  Choice and it may be conducted by parallel sections.

<sup>\*\*</sup> NME –Students have to select courses offered by other (Faculty) departments.

<sup>\*\*\*</sup> SLC – Voluntary basis

 $T-Theory\ P-Practical$ 

		I – Semester							
Core	Course code: 83213	Fundamentals of Art	T Credits: 4	Hours: 5					
Objectives	through their	amework for artists to develop the chosen medium, whether it's gital art, or any other form of visus	painting, drawing						
		tive of perspective drawing is to a relative to the viewer's point of vie	• •	nt how objects					
	To educate stud	ents to understand the structure an	d function of the h	uman body.					
		It involves understanding how colors interact, how they can convey meaning, and how to use them effectively in visual compositions.							
77.5.7	To acquaint students with the creation of art installations and site-specific artworks that interact with and respond to the physical environment.								
Unit I		Orawing: Develop Visual Perceptic and Shading, Consistency, Subject		ing, Value and					
Unit II		Perspective Drawing: Understanding Perspective Systems, Creating Depth, Overlapping and Placement, Proportional Accuracy, Converging Lines, Foreshortening							
Unit III	Human Anatomy Study: Figure drawing basics, Essentials of human figure drawing, Proportion and Gesture, Simplifying body parts in to 2D shapes, Relative proportion of various parts of the body. Constructing the front view using basic shapes, Stick figure, Line of action, Balance, Contour drawing(different poses), Cylindrical forms (front and side view), Foreshortening, Overlapping, Quick sketches, Study from live figure, Head study, Male and female, Hand and feet study.								
Unit IV	_	Understanding the Color Wheel, Color Sychology, Color Temperature, Color Psychation.	<i>O</i> ,	<b>*</b>					
Unit V	Environmental l Understanding s Understanding of	Design: Conceptual Depth, Golde scale and proportion, Study of different materials and their applicatelation to the relevant subject.	erent environments	S,					
Robertson, S environment Mela, M. M. perspective.	s from your imagir (2022). Construct	2013). How to Draw: drawing and nation. Design studio Press. ive drawing: tools and methods for ving for all it's worth. Clube de Au	r creating human f	igures in					
Online Reso	urces	vention. Amazon. com.  dy.com/2017/05/production-plann	ing-control-in-app	parel.html					
https://wwv	v.amazon.in/Appar v.youtube.com/wat	el-Manufacturing-Technology-T-F ch?v=BRk5WDWCyYM	Karthik-ebook/dp/l	B08NTT7ZG8					
https://www.		ly.com/2021/09/managing-apparel	<u> </u>	<u>html</u> Knowledge					
Course Oute				level					

CO-1	Creating a visually compelling and authentic representation of the observed subject, while also allowing the artist's individual style and interpretation to shine through.	
CO-2	It allows artists to create convincing and immersive visual experiences, making their artworks more dynamic and engaging	K3&K6
CO-3	Evaluating accurately represents the human form in your artwork. This includes capturing both the surface anatomy (muscles, skin, etc.) and the internal structures.	K2&K4
CO-4	Evaluate the develop a strong foundation in color theory, enabling you to use color purposefully and effectively in your creative endeavors and visual communication.	K5
CO-5	Allows artists to connect deeply with the physical world and engage viewers in thought-provoking ways.	K4&K6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)
CO2	L(1)	M(2)	S(3)	M(2)						
CO3	M(2)	M(2))	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)
CO4	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	L(1)	M(2)	M(2)	M(2)
CO5	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	M(2)	S(3)
W.AV	2.2	2	2.2	2	2	1.8	1.6	2.4	2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low(1)

I-Semester									
Course Code	Art - Practical	P	Credits:4	Hours:6					
83214									
Objectives	To develop the ability to transform flat 2D images into vising representations using various line-based techniques and sh								

- 1. Create a 2D image into 3D sketch using lines, hatching, shading and stippling
- 2. Create an environment using 2 point perspective and 3 point perspective
- 3. Apply your facial anatomy and proportion knowledge to draw your own face in three
- 4. styles using contour line techniques without losing the proportions.
- 5. Practice mixing the 3 primary colors. Draw or print a color wheel and paint the color wheel.
- 6. Create a 2D environment using 1 point perspective by implementing given art elements.

Outcomes	Create 3D-like effects in drawings using lines, shading, hatching, and stippling. Understand and apply 2-point and 3-point perspective for realistic environmental drawings.  Draw their own face accurately while experimenting with different drawing styles.  Mix primary colors to create secondary and tertiary colors effectively.
	Mix primary colors to create secondary and tertiary colors effectively.  Create a color wheel that demonstrates an understanding of color relationships.
D 4	Use 1-point perspective to construct 2D scenes with depth and visual appeal.

#### **Reference and Text Books:**

Robertson, S., & Bertling, T. (2013). How to Draw: drawing and sketching objects and environments from your imagination. Designstudio Press.

Mela, M. M. (2022). Constructive drawing: tools and methods for creating human figures in perspective. Loomis, A. (2021). Figure drawing for all it's worth. Clube de Autores. Hampton, M. (2009). Figure Drawing: Design and Invention. Amazon. com.

#### **Online Resources**

 $\frac{https://www.onlineclothingstudy.com/2017/05/production-planning-control-in-apparel.html}{https://www.amazon.in/Apparel-Manufacturing-Technology-T-Karthik-ebook/dp/B08NTT7ZG8} \\ \frac{https://www.youtube.com/watch?v=BRk5WDWCyYM}{https://www.youtube.com/watch?v=BRk5WDWCyYM}$ 

https://www.onlineclothingstudy.com/2021/09/managing-apparel-production-using.html

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M(2)	S(3)								
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.2	2.4	2.4	2.2	2.2	2	2.2	2.2	2.4	3

**S-Strong (3), M-Medium (2), L-Low (1)** 

## **Mapping Course Outcome VS Programme Specific Outcomes**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2	S(3)	M(2 )	M(2)	S(3)
CO2	M(2)	M(2)	M(2 )	M(2)	S(3)
CO3	M(2)	M(2)	M(2 )	M(2)	S(3)
CO4	M(2)	M(2)	M(2)	M(2)	S(3)
CO5	M(2	M(2)	M(2)	S(3)	S(3)
W.AV	2	2.2	2	2.2	3

		I – Semest	er		
Allied	Course code:	<b>Introduction to Visual</b>	Т	Credits: 3	Hours: 3
	83215	Communication		·	
Objectives	hurdles, of 2. Understa Schramm differenti 3. Introduce perception 4. Explore commun 5. Explore	Mass Media, its function PR), and media the	tive interactivels such as except, and and pragmatically sis, visual coss-cultural coss, types (T	ons in various s Lass well's, T Dance's Helica c levels of com al communicat challenges, and raditional, Prin	situations. wo-step flow, al models, and munication. tion, sensory d semiotics in nt, Electronic,
Unit I		Communication: Defin	ing and Unde	erstanding Con	nmunication
	-Communication Communication communication	as a Process, Symbol-Communication as an everbal, Non verbal, ercultural Communication	ls and Mean expression - Intrapersona	ning, Importan Skill and proc	nce of Visual ess -Types of
Unit II	Understanding	Visual Communication	: SMCR Mo	del Theoretical	concepts and
	Schramm"s C model - Level Distinguish and and categorize c pragmatic dimer		s Gatekeeper Technical, its within var cording to the	r theory – Da Semantic, an rious communic heir technical,	nce"s Helical d Pragmatic. cation models semantic, and
Unit III	Introduction to s	emiotics – analysis - asp	ects of signs	and symbols de	enotations and
	landscape: Langerinciples of Vi aspects) – Defin source of concepthematic - Visu instruments etc.)	paradigmatic and synta guage and Visual com sual - Sensory Perception ition - Optical/Visual Illu ot - The process of develor al thinking - Associativ - Design execution and	imunication  ns – Color p  usions etc., D  pping ideas, v  e techniques  presentation.	- Narrative resychology and Design process -verbal, visual, contact to materials, to	theory (some -Research - A combination & ols (precision
Unit IV	Communication Media – multic communication: Introduction to s	and Public opinion: nat Relationship Between ultural content -impact problems and challe emiotics – analysis - aspearadigmatic and syntagm	Culture and on Developinges. Competer of signs	d Communicating countries, munication as and symbols do	tion - Global Cross-cultural s a process: enotations and
		Denotation Culture/Code		-	- 0
Unit V	Mass Media co communication Impact & Influe Print Media, El	ommunication - What - To-Persuade, Inform, ence Of Mass Media Ty ectronic media, Digital teories Of mass media:	is Mass M Educate, and pes of Mas media, Pub	l Entertain; Ot s Media: Trad lic Relations,	her functions; itional media, Publicity and

Reference and Text Books

Bo Bergstrom, "Essentials of Visual Communication", Laurence King Publishing, 2008.

J V Vilanilam, "Mass Communication In India: A Sociological Perspective", SAGE Publications, 2005.

Keval.J.Kumar, "Mass Communication in India", Jaico Publishing House, 1999.

Wood, Julia T, "Communication mosaics: An introduction to the field of Communication", Wards worth, 2001.

Paul Martin Lester "Visual Communication: Images With Messages", Cengage Learning, 2013.

## Online Resources

https://www.britannica.com/topic/mass-communication

 $\underline{https://www.ualberta.ca/art-design/areas-of-study/visual-communication-design.html}$ 

https://www.youtube.com/watch?v=ubR8rEgSZSU

https://www.youtube.com/watch?v=2p0NRBaQ4Ic

Course Ou	atcomes	Knowledge level
CO-1	Acquire fluency in the fundamental terminologies and principles related to communication.	K1
CO-2	Compare communication models; Lasswell, Two-step flow, Schramm's Circular, White's Gatekeeper, Dance's Helical; differentiate levels	K3&K6
CO-3	Apply semiotics, analyze signs, enhance visual communication, and design proficiency	K4
CO-4	Master culture-media nexus, address cross-cultural hurdles, apply semiotics effectively	K5
CO-5	Achieve a comprehensive understanding of Mass Media roles, types, and theories, discerning their societal impact and implications.	K2&K6

## **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L(1)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	L(1)	M(2)
CO2	L(1)	M(2)	M(2)	M(2)	L(1)	S(3)	M(2)	L(1)	M(2)	M(2)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	M(2)	S(3)	M(2)							
CO5	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	1.8	2.6	2.4	2.2	1.6	2.2	2.4	1.8	2	2.2

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M(2)	L(1)	M(2)	M(2)	S(3)
CO2	M(2)	L(1)	L(1)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.2	2	2	2.2	2.6

S-Strong (3), M-Medium (2), L-Low (1)

	I-Semester										
Course Code 83216	Visual Communication- Practical	P	Credits: 2	Hours: 4							
00210	Develop artistic skills and creativity through a series of	art t	⊥ asks. includ	∟ ding word							
Objectives	representation, theoretical exploration, narrative preservation, and product promotion.			cultural							

- 1. Use art to visually represent given words
- 2. Submit examples for the theories discussed and represent them using a paper collage
- 3. Visualize and create the given situation using any art medium
- 4. Create a promotional material for your local festival without losing its cultural values
- 5. Use PR as a tool to promote a particular product of a company.

## **Reference and Text Books:**

Bo Bergstrom, "Essentials of Visual Communication", Laurence King Publishing, 2008. J V Vilanilam, "Mass Communication In India: A Sociological Perspective", SAGE Publications, 2005.

Keval.J.Kumar, "Mass Communication in India", Jaico Publishing House, 1999.

Wood, Julia T, "Communication mosaics: An introduction to the field of Communication", Wards worth, 2001.

Paul Martin Lester "Visual Communication: Images With Messages", Cengage Learning, 2013.

## **Online Resources:**

https://www.britannica.com/topic/mass-communication

https://www.ualberta.ca/art-design/areas-of-study/visual-communication-design.html

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

**S-Strong (3), M-Medium (2), L-Low (1)** 

## **Mapping Course Outcome VS Programme Specific Outcomes**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

		II-Semester -Core									
		<b>D</b> : G/ L		Credits:	Hours:						
Core	Course code: 83223	Design Study	T	4	5						
	1. Underst	rstand design's role, characteristics, audience, creativity, and experimentation.									
		indamental color theory concepts and applicati									
	psychological	ogy.									
Course	<ol> <li>Comprehend typography principles and graphic types, enhancing design skills.</li> <li>Comprehend and apply space concepts in Animation for effective visual</li> </ol>										
Objectives											
	<ul><li>communication.</li><li>5. Comprehend grid usage, layout elements, reader engagement, design stages, and the golden mean's incorporation.</li></ul>										
			1	1'.C - C1	, . ,.						
IInit I	<b>Design fundamentals:</b> - significance and purpose of design in human life, Chara										
Unit - 1	Unit - I of a design and designers mind, Target audience, creative vs stereo type solutions, Experimental approach during design challenge.										
			ihutes	of color h	ie value						
	<b>Color theory:</b> introduction and basics of color theory, attributes of color, hue, value, saturation, color wheel, color harmony, color schemes, achromatic, monochromatic,										
Unit - II	polychromatic, warm colors, cool colors, analogous colors, complementary colors,										
	split compliments, incongruous, triads and tetrads, color blending, additive model,										
	subtractive model, color contrast, color psychology.										
	Typography –	typeface anatomy, measurements, typeface cl	assific	ations, type	families,						
Unit - III	spacing and alignment, selecting appropriate fonts, Graphics:- importance of graphics,										
		types of graphics, vector graphics , raster graphics, image manipulation, format									
	conversion, crop and scale, color manipulation.										
		space in Animation:- Understanding and usi									
Unit IV		tilize white and non-white space, Underst									
		Experimenting with symmetrical and asymmetrical designs, Experimenting with weight in order to create more dynamic designs.									
		<u> </u>	imn	ortant narta	of a page						
Unit-V		outs:- Role of grids, grid system and templated greaders attention, stages of design process									
UIIIt- V	mean into your		, mcc	nporaung u	ic goldell						
■ Pofor	ance and Text										

- Reference and Text Books:
- Craven, Roy C, "Indian Art", 2nd revised edition, Thames and Hudson, 1997
- E Lee, Sherman, "A history of Far Eastern art" 4th revised edition, Thames & Hudson Ltd,
- 1989
- Harle, JC, "The Art & Architecture of the Indian Subcontinent", 2nd Revised edition edition,
- Heinrich Robert Zimmer and Joseph Campbell, Myths and Symbols in Indian Art and
- Civilization (Princeton Classics), 2017 Yale University Press, 1994
- Tomory, Edith, "A History of Fine Arts in India and the West", Orient BlackSwan, 1989

## **Online Resources**

https://99designs.com/blog/tips/graphic-design-basics/

https://www.youtube.com/watch?v=YqQx75OPRa0

https://www.youtube.com/watch?v=65WjYDEzi88

https://www.coursera.org/learn/fundamentals-of-graphic-design

## **Course Outcome**

CO-1	Develop awareness of design's purpose, audience relevance, creative divergence, and experimental exploration.	K1
CO-2	Master foundational color theory principles, harmonies, and psychological implications for effective design.	K3&K6
CO-3	Gain fundamental Animation skills, including manipulation and conversion.	K4

CO-4	Develop the ability to utilize space effectively in Animation projects.	K5
CO-5	Develop skills in layout design, capturing attention, and applying design principles.	K2&K6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
СОЗ	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

**S-Strong (3), M-Medium (2), L-Low (1)** 

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S–Strong (3), M-Medium (2), L-Low (1)** 

	II – Semester - Core										
	Course			Credits:	Hours:						
Core	Code:	<b>Design Study - Practical</b>	P	4	6						
	83224										
Objectives	Enhance desi	gn skills and knowledge through a series of o	creati	ve tasks.							
2. Create	a typography i	· ·									
		k based on the brief given in the class									
		daily consumer products using design principle with blending techniques in a drawing sheet.	es.								
	a new font.	e with blending techniques in a drawing sheet.									
	a poster for a g	riven tonic									
		yout for the given prompt.									
o. Create		your for the given prompt.									
Outcomes	design.  > Use typog  > Interpret  > Create m  > Master b  > Develop o  > Design vi	graphy to create visually pleasing and clear leading briefs and execute projects according emorable and effective logos based on design lending techniques for shading and toning incustom fonts suitable for various design projects according posters that convey message ckground layouts that complement and enhion.	ayout gly. 1 prin 1 drav ects. ges ef	s. ciples. vings. fectively.	ively in						

## **Reference and Text Books:**

- 1. Carter, David, E, "The Big Book of Design Ideas", Collins Design, 2005.
- 2. Davis, Graham, "The Designer's Tool Kit 1000 Colors", Chronicle Books, 2007.
- 3. Eisman, Leatrice, "Pantone Guide to Communicating With Color", Grafix Press, 2000.
- 4. Fraser, Tom, "The Complete Guide to Colour. Ilex", 2004.
- 5. Lipton, Ronnie, "Designing Across Cultures", How Design Books, 2002.
- 6. Led Well, William, "Universal Principles of Design", Rock Fort Publisher, 2003.
- 7. Pipes, Alan, "Foundation of Art and Design", Laurence King, 2008.

## **Online Resources**

https://99designs.com/blog/tips/graphic-design-basics/

https://www.youtube.com/watch?v=YqQx75OPRa0

https://www.youtube.com/watch?v=65WjYDEzi88

https://www.coursera.org/learn/fundamentals-of-graphic-design

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	S(3)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	S(3)	S(3)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	3

S-Strong (3), M-Medium (2), L-Low (1)

II-Semester -Allied										
A 111° 1	C	D: '/ 1D '	T	Credits:	Hours:					
Allied	Course code: 83225	Digital Design Techniques	T	3	3					
Course Objective s	master 2. Attain sharper 3. Build a aliasing 4. Delve trends; 5. Develo	<ul> <li>aliasing, layer use, raster/vector differences.</li> <li>Delve into composition, sequential art, conceptualization; analyze contemporary trends; grasp digital painting's expressive advantages</li> <li>Develop portfolio curation, commercial artwork prep, time management, professional presentation, historical Animation overview skills.</li> </ul>								
Unit - I	Software ov	Introduction to digital illustration:- Bitmap and vectors - Types of file formats - Software overview, Appropriate use of media and techniques - Paper to digital illustration - Understanding resolutions.								
Unit - II	image - Imag	<b>n to image processing:</b> Analog and digingle nd restoration - Understanding bitrates - B	•	-	_					
Unit - III	Introduction digital art st	to digital tools:- Understanding the may yles, Understanding anti-aliasing- Underdifference between raster tools and vector	jor so standi	ftwares availing different	able - Different					
Unit IV	Concept	f composition and design: Illustration in language - Artistic directions in contemping.		-						
Unit-V	Professional presentation	<b>practice</b> - Displaying a consistently style formats - Create and prepare art for - Artwork presented professionally - Brief	comm	nercial reprod	duction - Time					

- Reference and Text Books:
- Tinku Acharya, "Image Processing: Principles and Applications", Wiley-interscience, 2005.
- Caplin, S, "The Complete Guide to Digital Illustration (Complete Guides)", ILEX, 2003.
- Christian, J, "Introduction to Image Processing and Analysis", CRC Press, 2007.
- Zeegen, L, "Secrets of Digital Illustration", Rotovision, 2007.
- Zeegen, L, "Complete Digital Illustration: A Master Class In Image-making", Rockport
- Publishers, 2010.

## Online Resources

**Image processing principles and applications** 

## **Course Outcome**

CO-1	What are the skills to effectively use digital illustration software, apply diverse techniques, and choose appropriate media to create visually engaging digital artworks, while understanding resolution concepts and ethical considerations.	<b>K</b> 1
CO-2	Develop understanding of the distinctions between an a log and digital processing, a clear grasp of what constitutes a digital image and its essential properties, proficiency in employing image sharpening and restoration techniques for quality enhancement	
CO-3	Demonstrate a comprehensive command over major digital art software, exhibit an understanding of diverse digital art styles, apply anti-aliasing techniques to achieve polished visual outcomes, adeptly utilize various layer types to enhance composition, and distinguish between raster and vector tools for effective creative decision-making	
CO-4	Apply principles of composition and design to craft visually impactful illustrations, effectively employ diverse methods for sequential storytelling, translate abstract concepts into visually compelling artworks, critically analyze and contextualize various artistic directions within contemporary illustration, and skill fully leverage the advantages of digital painting as a versatile medium	K5
CO-5	Demonstrate the capability to present artwork in a polished and professional manner, both in digital and physical contexts.	K2&K6

**Course Outcome VS Programme Outcomes** 

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

**Mapping Course Outcome VS Programme Specific Outcomes** 

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

		II-Semester -Allied			
Alliad	Course	Digital Design Techniques - Practical	р	Credits:	Hours:
Allied	<b>Code:</b> 83226	P	2	4	
Objectives	Develop a concreative and to	nprehensive set of design skills and competer echnical tasks.	icies t	through a s	eries of
1 0 4	· c 1	1 1 1 1 1 1 1 1			

- 1. Create a piece of work based on the brief given in the class
- 2. Create a vector artwork.
- 3. Restore the given images.
- 4. Create a concept art in raster based software and the reproduce the same in any vector
- 5. based software. Also, analyze and list out the differences.
- 6. Create a frame by frame animation in a raster based software.
- 7. Create and prepare art for commercial reproduction.

## **Upon completing these tasks, students will be able to:**

- > Interpret design briefs and effectively execute design projects, meeting specific criteria and objectives.
- > Master vector graphics software to create scalable and precise digital artwork suitable for various applications.
- > Acquire image restoration skills to enhance and repair damaged or deteriorated images, preserving their visual quality.

# > Create concept art in raster-based software and reproduce it accurately in vector-based software, understanding the differences in file formats and editability.

## > Develop proficiency in frame-by-frame animation using raster graphics software, with a focus on timing and fluidity.

- > Prepare art for commercial reproduction, considering the requirements and constraints of commercial printing and production.
- > Apply knowledge of design principles, color theory, and typography effectively in all design tasks.
- > Demonstrate creativity, attention to detail, and the ability to adapt design techniques to various media and contexts.

#### Reference and Text Books:

Tinku Acharya, "Image Processing: Principles and Applications", Wiley-interscience, 2005.

Caplin, S, "The Complete Guide to Digital Illustration (Complete Guides)", ILEX, 2003.

Christian, J, "Introduction to Image Processing and Analysis", CRC Press, 2007.

Zeegen, L, "Secrets of Digital Illustration", Rotovision, 2007.

Zeegen, L, "Complete Digital Illustration: A Master Class In Image-making", Rockport Publishers, 2010.

## Online Resources

Outcomes

**Image processing principles and applications** 

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
СОЗ	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

	III – Semester-Core								
Core	Course code:	2D & Experimental Animation	T	Credits:	Hours:				
	83233	•		3	3				
	1. Explore animation history, develop animator skills, and analyze iconic works.								
	2. Trace tech evolution, learn animation types/methods, and explore data processing.								
	3. Compare animation to other mediums, explore traditional and experimental								
Course	methods, and create compelling animated shorts.								
Objectives		acting, attribute analysis, body language, ess		oses,					
	anthropomorphism, and Uncanny Valley in animation.								
		ore animation principles through film analys			a and ami				
	squash/stretch, anticipation, staging, follow-through, slow in/out, arc, secondary action, timing, exaggeration, solid drawing, and appeal.								
		o animation: History of animation - Ro		an animator	in media				
Unit - I	production Mediums and platforms of application - Underlying skills - Importance of								
	communication in production settings - Legends of animation and their masterpieces								
	Technology of animation: Evolution of animations technology, Types of animations								
Unit - II	and methods - Cell animation, Motion graphics, Flip book, Cut-out animation,								
	Claymation, 3D camera animation, Motion capture, Experimental animation, Roto								
	animation etc	, Next-gen animation techniques, Data proce	ssing o	f digital anir	nation				
TI TIT		storytelling medium : Animation vs							
Unit - III		Experimental storytelling methods, Genera	ion sto	ries and cor	icepts for				
		films, Interest curve, creative use of cliches <b>cters:</b> Acting for animation, understanding	haracte	er attributes t	from their				
		nguage and expressions, Identifying esse							
Unit IV		essential actions through both simple							
	developing anthropomorphic characters, Use of uncanny Valley.								
	Principles of animation: Understand underlying principles of animation Case study of								
II:4 X7	animated films - Stretch and squash, anticipation, staging, straight ahead and pose to pose								
Unit-V	actions, Follow	through and overlapping actions, slow in a	nd slov	v out, Arc, s	secondary				
	action, Timing,	Exaggeration, Solid drawing, Appeal `							

## • Reference and Text Books:

- 1. Ken A, Priebe, "The Art of Stop Motion Animation, Thomson course and Technology", PTR, 2006.
- 2. Kit Laybourne, "The Animation Book", Three Rivers press, 1998.
- 3. Mary Murphy, "Beginner's Guide to Animation, Everything You Need to Know to Get Started", Crown Publishing Group, 2008.
- 4. Preston Blair, "Cartoon Animation", Walter Foster, 1994.
- 5. Richard Williams, "The Animator's Survival Kit", Faber and Faber, 2001.
- 6. Whitaker and Hales, "Timing for animation", Focal press, 2007

## **Online Resources**

https://openlibrary.org/books/OL685882M/The animation book

https://www.google.co.in/books/edition/Timing for Animation/yuoWciWaZXQC?hl=en&gbpv= 1&dq=Whitaker+and+Hales,+%E2%80%9CTiming+for+animation%E2%80%9D,+Focal+pres s,+2007&printsec=frontcover

## **Course Outcome**

CO-1	Develop animation expertise, explore history, master media platforms, and enhance communication.	K1
CO-2	Acquire animation tech knowledge, master diverse techniques, explore cutting- edge methods, and excel in digital data processing.	K3&K6
CO-3	Harness animation for storytelling, compare mediums, craft innovative narratives, generate short film concepts, refine interest curves, and creatively employ clichés.	K4
CO-4	Master character definition, act for animation, decipher attributes, express through body language, convey actions, create anthropomorphic characters, and navigate the uncanny valley.	К5
CO-5	Grasp animation principles through film analysis, apply fundamentals: stretch, anticipation, staging, follow-through, timing, and more.	K2&K6

## **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

**S-Strong (3), M-Medium (2), L-Low (1)** 

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		III-Semester						
Core	Course code: 83234	Film language & appreci	ation	T	Credits: 3	Hours: 3		
Course Objectives	<ol> <li>To develop in-depth knowledge in film characteristics, perception, theory, semiotics, language, and major film movements.</li> <li>Understand film form, principles, narrative structures, genres, and visual storytelling significance.</li> <li>Understand the importance of planning and pre-production phases in filmmaking.</li> <li>Understand the cinematographic elements including camera angles, movement, composition, lighting, and equipment.</li> <li>Understand film editing dimensions, post-production processes, sound, visual effects, and distribution.</li> </ol>							
Unit - I	theory and sen analysis –film interpretation - (1924- 1930) -	Film as medium: Characteristics – Film Perception; Levels of Understanding – Film theory and semiotics-formalism and neo formalism- Film language – Film and psychoanalysis –film and cultural identity; hermeneutics, reception aesthetics and film interpretation - French Impressionism and Surrealism (1917-1930) - Soviet Montage (1924-1930) -The Classical Hollywood Cinema after the coming of sound -The French New wave (1959-1964)- Cinema in the third world - Contemporary trends.						
Unit - II	The concept of form in films, principles of film, narrative form, non-narrative form, dividing a film into parts and Genres (language, style, grammar, syntax.) Style as a formal system, narrative unity, ambiguity, a non-classical approach to narrative films, space and time, disunity, form, style and ideology - Mise-en-scene-Realism, the power of mise-en-scene, aspects of mise- en-scene, space and time, narrative functions of mise-en-scene. Cinematographer properties- the photographic image, framing, duration of the image, montage and long take.							
Unit - III	Planning, pre- Screenplay wri Direction - Wri	oroduction- Concept / Story de ring, Budgeting, Casting, Location ring one line script – Scene and sl	ons, Financin nots split up -	g. Pr - Stor	oduction – byboard – de	Shooting,		
Unit IV	characters – Types of character – Planning Budget - Scheduling – Costume.  Cinematography - Camera angle – Camera Movement – Low Angle – High Angle – Close up – Ex- close up - Mid long shot – Ex Mid long shot – Long shot – Ex-Long shot – Camera panning (left to right) (right to left) Camera tilt up – Camera tilt down.  Camera blocking – Shot Composition – (Rules – 180 degree) – (30 degree rule) - Aesthetics – Continuities – The rule of thirds – Clapboard - Editing report – Preview monitoring – Understanding lighting – 3 point lighting. Camera lenses – Camera Aperture – Camera Shutter Speed - Wide angle lenses – Tele lenses – Filters – DSLR digital cameras – Film camera – Different types of storage format – Depth of field – Deep focus.							
Unit-V	Editing (Roug functions of fi Mastering - A effects, Graph	sions of film editing, Post- Proch Cut) - continuity editing - Final Im sound. Dubbing - Music Postinuity dding Visual Effects - Adding Sics & Final mixing - Distribution Editing - Final Output - Video	Editing - Song, Re Record Sound effects Sound Exhibiti	und- t ding a s (spe on. Ir	the powers of and Mixing - scial effects) mporting Me	of sound - Mixing - -Special		

- Reference and Text Books:
- Blain Brown, "Cinematography: Theory and Practice: Image Making for Cinematographers and Directors", Focal Press, 2002.
- David Bordwell and Kristin Thompson, "Film Art", McGraw-Hill Education, 10 edition, 2012.
- Gustavo Mercado, "The Filmmaker's Eye: Learning (and Breaking) the Rules of Cinematic Composition", Routledge, 1 edition, 2010.
- Kris Malkiewicz, "Film Lighting: Talks with Hollywood's Cinematographers and Gaffers", Touchstone, Reissue edition, 1992.
- Steven Ascher, "The Filmmaker's Handbook: A Comprehensive Guide for the Digital Age", Plume, Revised, Updated edition, 2012.

## **Online Resources**

https://www.academia.edu/29047054/THE FILMMAKERS HANDBOOK Completely Revised and Updated by Steven Ascher With Contributions by David Leitner A COMPREHENSI VE GUIDE FOR THE DIGITAL AGE FOURTH EDITION

## **Course Outcome**

CO-1	Describe a comprehensive understanding of film theory, history, and cultural impact.	K1
CO-2	Develop and analyze films, differentiate narrative from non-narrative forms, break down films for analysis, recognize film genres, and grasp how filmmakers use style in storytelling.	K3&K6
CO-3	Understand the importance of planning and pre-production phases in filmmaking.	K4
CO-4	Acquire a comprehensive understanding of cinematographic techniques and equipment.	К5
CO-5	Develop a comprehensive understanding of film editing, post-production processes, and distribution.	K2&K6

## On what level it correlated with COs & POs -based on that we have to give marks

#### **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		III-Semester -Core			
Core	Course ander	2D & Experimental Animation - Practical	P	Credits:	Hours:
	83235	2D & Experimental Annuation - Fractical	Г	3	5
Objectives	medium sele	ents' creative and technical skills in animat ction, pre-production planning, and an onveying emotions and storytelling throu	imati	on princip	les while

Students are required to

- 1. Using Brainstorming mind tools generates 20 different ideas
- 2. Critique and write about the choice of the medium available and state example for each
- 3. Develop pre production works as required for the given project
- 4. Develop a simple project to solve a given problem
- 5. Submit an experimental animation using different art mediums
- 6. Create a flip book animation
- 7. Create a loop animation to convey a story
- 8. Prepare audio choices or ideas for an animated acting test, between 7 and 15 seconds in length. Animate one shot, focusing on the best choices for maximizing appeal and entertainment. Be prepared to discuss acting and situation possibilities for the shot.
- 9. Apply the Principles of Animation and animate the following task
  A person is happily eating his ice cream but accidentally dropped it. (with Ice Cream prop.)
- 10. Consider his expressions, postures, reactions, before and after the incident.
  - > Brainstorm Ideas: Come up with 20 different creative ideas.
  - ➤ Choose a Medium: Decide how you want to create your animation (e.g., hand-drawn, computer-generated, stop-motion).
  - > Plan Your Project: Make sketches, write a script, and design characters for your chosen idea.
  - ➤ Create a Simple Animation: Produce a short animation that tells a story or solves a problem.
  - > Experiment with Different Art Styles: Try different ways of creating art in your animation.
- Outcomes

  Make a FlipBook Animation: Create a short animation like a flip book.
  - > Loop Animation with a Story: Create a short, repeating animation that tells a story
  - > Plan Sound: Think about the sounds you want to use for a short animation scene and discuss the character's actions.
  - > Apply Animation Principles: Animate a character enjoying ice cream but dropping it. Show their emotions and reactions.
  - > Explain Your Work: Write about your animation, describing how you made it and what it means.

## **Reference and Text Books:**

- Ken A, Priebe, "The Art of Stop Motion Animation, Thomson course and Technology", PTR, 2006.
- Kit Laybourne, "The Animation Book", Three Rivers press, 1998.
- Mary Murphy, "Beginner's Guide to Animation, Everything You Need to Know to Get Started", Crown Publishing Group, 2008.
- Preston Blair, "Cartoon Animation", Walter Foster, 1994.
- Richard Williams, "The Animator's Survival Kit", Faber and Faber, 2001.
- Whitaker and Hales, "Timing for animation", Focal press, 2007

#### **Online Resources**

https://openlibrary.org/books/OL685882M/The animation book

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

Allied Course co 83236  1. To de under antici 2. Acqu Learr 3. Deve recog 4. Gene guide 5. Maste move shape 6. Deve anima Unde 7. Exper anima Learr 8. Exple effect Unde 9. Unde 9. Unde Learr envire 10. Deve exper  Animation I weight, and convincing a Character des  Gesture and Unit III personality a Character I		III – Semester-			
83236  1. To de under antici   2. Acque Learn   3. Deve recog   4. Gene guide   5. Maste move shape   6. Deve anima   Unde   7. Experanima   Learn   8. Explored effect   Unde   9. Unde   Learn   environ   10. Deve   experanima   Unit II   weight, and convincing a   Anatomy: U   character des   Gesture and   Unit III   Character I	Allie	d T		G 114	***
83236  1. To de under antici   2. Acque   Learn   3. Deve   recog   4. Gene   guide   5. Maste   move   shape   6. Deve   anima   Unde   7. Experanima   Learn   8. Explore   effect   Unde   9. Unde   Learn   environ   10. Deve   exper   Animation I   weight, and   convincing a   Unit II   Character des   Gesture and   Character I	de:	Advanced Art for Animation	T	Credits:	Hours:
under antici  2. Acqu Learr  3. Deve recog  4. Gene guide  5. Maste move shape  S anima Unde  7. Experanima Learr  8. Explore effect Unde  9. Unde Learr envire 10. Deve exper  Animation I weight, and convincing a  Unit II weight, and convincing a  Character des  Gesture and personality a  Character I				3	3
Unit I weight, and convincing a  Unit II Anatomy: Ucharacter des  Gesture and personality a  Character I	rstand paticipation in to upore effects.	cills in storytelling and visual communication onvey emotions, pacing, and composition throunique and appealing character design style. The sole and can convey emotions effectively. Soncept art to explore visual ideas before proceed evelopment of characters, props, and environs art of lip syncing to synchronize character design. Understand phonetics and how different so kills in creating captivating background art that design the principles of perspective and atmosphere the with color theory to enhance the mood and is. See lighting effectively to create depth and foc a fects animation, including elements like water design the principles of timing and movement for a depth collaborative nature of animation produtors efficiently with other artists, animators, a	through y Ensur luction ment ialogu at cor ic per atmos us. er, fire variou ction. and pr	I stretch, times of storyboars of storyboars of storyboars of storyboars of storyboars of storyboars of stypes of each of sphere of stypes of each of stypes of stypes of each of stypes of stypes of each of stypes of stypes of each of stypes of each of stypes of styp	rding. pards. s are easily ept art to th outh he depth ur d magical ffects. in a team
Unit II character des  Gesture and personality a  Character I	anti	cipation. Observing how objects move in tion physics and dynamics.			
Unit III personality a Character I	sign a	standing of human and animal anatomy. Thi and creating realistic movements in animation			
	nd er	eting: Practicing on capturing gestures ar notion in your characters		•	
		<ul> <li>Practicing character design, creating unique imation styles and narratives.</li> </ul>	ue an	d appealing	characters
		<b>ng:</b> Understand storytelling techniques, storytelling techniques, storytelling through visual elements.	ooardi	ng, and how	to convey

## **Reference and Text Books:**

Woods, S. (2002). THE ANIMATOR'S SURVIVAL KIT. Film Ireland, (85), 28.

Blair, P. (2020). Cartoon Animation with Preston Blair, Revised Edition!: Learn techniques for drawing and animating cartoon characters. Walter Foster Publishing.

Hoberman, J. (1982). Disney Animation: The Illusion of Life. Film Comment, 18(1), 67.

Goldberg, E. (2008). Character Animation Crash Course! (p. 218). Los Angeles, CA: Silman-James Press.

Hooks, E. (2017). Acting for animators. Taylor & Francis.

## Online Resources

https://www.animationmentor.com/resources/

https://www.youtube.com/watch?v=dpwgmOGJQIw

https://animatorsresourcekit.blog/

## **Course Outcome**

CO-1	Develop animation expertise, explore history, master media platforms, and enhance communication.	K1
CO-2	Acquire animation tech knowledge, master diverse techniques, explore cuttingedge methods, and excel in digital data processing.	K3&K6
CO-3	Harness animation for storytelling, compare mediums, craft innovative narratives, generate short film concepts, refine interest curves, and creatively employ clichés.	K4
CO-4	Master character definition, act for animation, decipher attributes, express through body language, convey actions, create anthropomorphic characters, and navigate the uncanny valley.	K5
CO-5	Grasp animation principles through film analysis, apply fundamentals: stretch, anticipation, staging, follow-through, timing, and more.	K2&K6

**Course Outcome VS Programme Outcomes** 

			Course	Outcome	1 D 1 1 0 5 1	umme o	accomes			
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2 )	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

	1	III – Semester-Allied			
Allied	Course code: 83237	Advanced Art for Animation - Practical	P	Credits: 2	Hours: 4
Objectives	medium select	nts' creative and technical skills in animation, pre-production planning, and animation veying emotions and storytelling through v	on prii	nciples whil	le
<ol> <li>Create</li> <li>Adding</li> <li>Creatin</li> <li>Creatin</li> <li>Creatin</li> <li>Creatin</li> <li>Adding</li> </ol>	o nailing and sto character(s) g personality to ng a character m ng a prop model ng the appropria ng backgrounds g appropriate so	the character(s) nodel sheet sheet (if required) te environment in 2D with color			
Outcomes	<ul> <li>➤ Choose drawn,</li> <li>➤ Plan You chosen</li> <li>➤ Create a proble</li> <li>➤ Experimanimati</li> <li>➤ Make a</li> <li>➤ Loop A story.</li> <li>➤ Plan So and disc</li> <li>➤ Apply A dropping</li> </ul>	a Simple Animation: Produce a short animatic em. nent with Different Art Styles: Try different v	design on that ways of on like on a si joying	mation (e.g., n characters tells a story foreating art a flip book, nation that the hort animatic ice cream but	for your or solves t in your ells a on scene ut

and what it means.

#### **Reference and Text Books:**

- Woods, S. (2002). THE ANIMATOR'S SURVIVAL KIT. Film Ireland, (85), 28.
- Blair, P. (2020). Cartoon Animation with Preston Blair, Revised Edition!: Learn techniques for drawing and animating cartoon characters. Walter Foster Publishing.
- Hoberman, J. (1982). Disney Animation: The Illusion of Life. Film Comment, 18(1), 67.
- Goldberg, E. (2008). Character Animation Crash Course! (p. 218). Los Angeles, CA: Silman-James Press.
- Hooks, E. (2017). Acting for animators. Taylor & Francis.
- Ken A, Priebe, "The Art of Stop Motion Animation, Thomson course and Technology", PTR, 2006.
- Kit Laybourne, "The Animation Book", Three Rivers press, 1998.
- Mary Murphy, "Beginner's Guide to Animation, Everything You Need to Know to Get Started", Crown Publishing Group, 2008.
- Preston Blair, "Cartoon Animation", Walter Foster, 1994.
- Richard Williams, "The Animator's Survival Kit", Faber and Faber, 2001.
- Whitaker and Hales, "Timing for animation", Focal press, 2007

## **Online Resources**

## https://openlibrary.org/books/OL685882M/The animation book

## **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

**S–Strong (3), M-Medium (2), L-Low (1)** 

## **Mapping Course Outcome VS Programme Specific Outcomes**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

		IV-Semester -Core							
				<b>Credits:</b>	Hours:				
Core	Course code: 83243	Advanced Animation Techniques	T	4	4				
Course Objectives	<ol> <li>To develop rigging principles and techniques for objects, vehicles, robots, and mechanical components.</li> <li>Understand character rigging from joint setup to facial expressions and attribute control.</li> <li>To develop 3D animation principles, Maya tools, and animation fundamentals.</li> <li>character animation: Rig study, posing, body mechanics, expressions, cycles, complexity</li> <li>Mastering lip-sync, emotion conveyance, and storytelling through character animation.</li> </ol>								
Unit - I	Driven Key- C	Introduction to Rigging - Rigging Tools & Techniques – Parenting – Grouping – Set Driven Key– Constraints – Defamers – Lamp Rigging –Rigging for Mechanical objects-vehicle rigging, Robot rigging, object rig.							
Unit - II	-Orientation – I IKFK Method - – Arm and Le	ing: Character Study – Delete history - Joint S Mirror joints – joint parenting – arm three joint Constraints – Control Parent – leg setup – spin eg Stretch - Painting skin weights - mirrori for – facialrig - adding expression - adding attrib	nt setu ne setu ng sm	ıp – IK han ıp – Neck/H nooth skin	dle tool – lead setup weights -				
Unit - III	Introduction to of animation so — follow through	expression editor – facialrig - adding expression - adding attributes – Global control.  Introduction to 3D animation: Animation UI tool and option in Maya, Graph editor, Study of animation squash and stretch – anticipation – staging – straight ahead and pose to pose – follow through and overlapping action – slow out and slow in – arcs – secondary action – timing – exaggeration using bouncing ball							
Unit IV	- Weight Shiftin Cycles- Run cy	nation: Introduction to Character and studying t ng and Body Mechanics, Facial expressions - A cles, action cycles, Handling complex scenes.	nimat	ion for gam	es-Walk				
Unit-V	movements, a	understanding lip-sync for realistic dialogue, conveying emotions through nuanced movements, and storytelling through fluid motion. These skills are essential units in achieving lifelike, engaging animations.							
a Dofo	rongo and Toyt	Doolse.							

- Blain Brown, "Cinematography: Theory and Practice: Image Making for Cinematographers and Directors", Focal Press, 2002.
- David Bordwell and Kristin Thompson, "Film Art", McGraw-Hill Education, 10 edition, 2012.
- Gustavo Mercado, "The Filmmaker's Eye: Learning (and Breaking) the Rules of Cinematic Composition", Routledge, 1 edition, 2010.
- Kris Malkiewicz, "Film Lighting: Talks with Hollywood's Cinematographers and Gaffers", Touchstone, Reissue edition, 1992.
- Steven Ascher, "The Filmmaker's Handbook: A Comprehensive Guide for the Digital Age", Plume, Revised, Updated edition, 2012.

Online Resources: https://animationresources.org/

https://www.animationmentor.com/workshops/maya-workshop-animation-basics

https://www.11secondclub.com/

//www.riggingdojo.com

### **Course Outcome**

CO-1	Describe proficiently rig various objects, utilizing parenting, constraints, and set-driven keys effectively.	K1
CO-2	Develop the character rigging techniques, including joint setup, IK/FK methods, constraints, and facial rigging.	K3&K6
CO-3	grasp 3D animation techniques, including timing, arcs, squash and stretch, and more.	K4
CO-4	Master character rigging, posing, gestures, weight shifting, and body mechanics.	K5
CO-5	Achieve lifelike animations with lip-sync, emotions, storytelling, and fluidity.	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

# **S-Strong (3), M-Medium (2), L-Low (1)**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		IV-Semester -Core						
			_	Credits:	Hours:			
Core	Course code: 83244	3D Modeling & Texturing	T	4	4			
Course Objectives								
Unit - I	Maya Modelin Shaping and De techniques to ac	<b>g</b> – Introduction to predictive modeling, Stages stailing, Modeling animation versus game object thieve complex shapes, Uniform span flow impresults, Sculpt geometry, Deformers, view port	cts, un ortan	derstanding ce, Using Au				
Unit - II	Modeling in a Modular mode topology in def	ction – Character modeling, Environment modeling techniques, Arranging model sheets in formation areas, Following body mechanics, Test with the same mesh.	odelin view	g, Objects i port, unde	erstanding			
Unit - III	Practical light Shadows, Ligh	and color - Lighting basics, Natural light, And t and color relation, Surface types and light and color concept through life.		•				
Unit IV	Image based te essential maps,	rapping techniques – UV layout optimization, xture, Texture pipeline, Shader development Diffuse map, Bump map, Speculator map.	in Hy	pershade, G	enerating			
Unit-V	<b>Digital Lighting and rendering</b> – Maya lights and their attributes, -3 point lighting – Interior / Exterior Lighting Rendering, Introduction to render global, batch render - Setting up render layers and passes - Compositing in Photoshop.							
Refer	• Reference and Text Books:							

- Eric Allen & Kelly L Murdock, Body Language: Advanced 3D Character Rigging, Wiley, 2008
- John Halas, "Timing for Animation", Elsevier, Focal press, 2009.
- Jason Osiapa, "Stop Staring", second edition, Wiley, Sybex, 2007.
- Kyle Clark, "Inspired 3D character animation", Premier Press, 2002.
- Peter Ratner, "Mastering 3d Animation", second edition, Allworth Press, 2004.
- Richard Williams, "The Animator's Survival Kit", Faber and Fabe, 2009.

### **Online Resources**

https://www.sdcpublications.com/Textbooks/Autodesk-Maya/291/

https://www.youtube.com/@Autodesk Maya

https://help.autodesk.com/view/MAYAUL/2023/ENU/

# **Course Outcome**

CO-1	Attain proficiency in productive modeling techniques using Maya for diverse applications.	K1
CO-2	Develop proficiency in diverse modeling techniques and their applications for various elements.	K3&K6
CO-3	Develop a solid understanding of lighting and color principles and their practical implications.	K4
CO-4	Develop skills in creating textures, optimizing UV layouts, and shader development.	K5
CO-5	Master digital lighting and rendering techniques using Maya, covering various aspects of lighting and rendering.	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

# **Mapping Course Outcome VS Programme Specific Outcomes**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		IV-Semester -Core			
				Credits:	Hours:
Core	Course code: 83245	3D Modeling & Texturing - Practical	P	3	5
		idents with the essential skills to create 3D	model	s annly tay	
Objectives		esign basic environments for various creat			
Objectives	purposes.	esign busic environments for various creat	ive and	a profession	141
1. Create	a props model.				
2. Create	a vehicle mode	1			
3. Create	an exterior set	nodel.			
4. Create	a Character mo	del.			
		with texture & lighting.			
		l with texture & lighting.			
		nodel with texture & lighting.			
		del with texture & lighting.			
		a primitive shape			
	l an environmen				
	up the environm				
		are the environment built.			
13. Create		and render the built environment.	ra ahai	ua tablaa ar	
		fodel: Create 3D models of various objects lil Model: Design a 3D model of a vehicle, like			toois.
		r Set Model: Construct a 3D outdoor scene wi			996
		gs, and roads.	tii Cici	iiciits iike tiv	,
		er Model: Develop a 3D character, such as a	nerson	or an anima	ı1.
		Solution of the following of the following as a following with Texture & Lighting: Apply texture			
	for real		F-	- F	66
	> Vehicle	Model with Texture & Lighting: Texture the	vehicl	e model and	l add
		effects.			
	> Exterio	r Set Model with Texture & Lighting: Texture	outdo	or elements	and use
Outcomes	lighting	for ambiance.			
	> Charact	er Model with Texture & Lighting: Texture the	ne char	acter and us	e lighting
	_	ight details.			
		From Primitive Shape: Create a basic 3D house			
		ironment Modeling: Build a complete 3D sce			
		g the Environment: Add suitable lighting to the			
		wrapping and Texturing: Prepare models for t			ihem.
		Walkthrough: Develop a simple walkthrough			4
	> Kender	the Environment: Generate basic 3D renders	or you	r environme	nt.

• Eric Allen & Kelly L Murdock, Body Language: Advanced 3D Character Rigging, Wiley, 2008

> Outcome: Your project should include simple 3D models, basic texturing, and

- John Halas, "Timing for Animation", Elsevier, Focal press, 2009.
- Jason Osiapa, "Stop Staring", second edition, Wiley, Sybex, 2007.
- Kyle Clark, "Inspired 3D character animation", Premier Press, 2002.
- Peter Ratner, "Mastering 3d Animation", second edition, Allworth Press, 2004.

lighting, with a basic walkthrough or render.

• Richard Williams, "The Animator's Survival Kit", Faber and Fabe, 2009.

### **Online Resources**

https://www.sdcpublications.com/Textbooks/Autodesk-Maya/291/

https://www.youtube.com/@Autodesk Maya

https://help.autodesk.com/view/MAYAUL/2023/ENU/

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

IV-Semester - Allied									
Allied	Course code:	Media Production Techniques	T	Credits:	Hours:				
	83246			3	3				
Course Objectives	<ol> <li>Develop core video production skills: Master camera use, lighting, and audio recording basics.</li> <li>Achieve audio proficiency: Skill ful recording, editing, and post-production with digital audio workstations.</li> <li>Craft compelling stories: Create engaging narratives, characters, and storyboard scenes effectively.</li> <li>Design captivating media graphics: Create visually appealing content for videos, websites, and print materials.</li> <li>Grasp digital marketing essentials: Understand online promotion, social media,</li> </ol>								
Unit - I	SEO, and audience engagement tactics.  Video Production Techniques – This unit covers the basics of shooting videos, including how to use a camera, frame shots, set up lighting, and record clear audio.								
Unit - II	Audio Product techniques. Stu	ion and Editing – This unit focuses on a dents explore topics such as microphone sel and music integration. They also learn to us	udio :	recording a , voiceover	recording,				
Unit - III	scriptwriting ar characters, and visualizing scen	nd Storyboarding —In this unit, students and storyboarding. They learn how to create constructure scripts for various media formats. See are also covered.	mpelli Storyb	ing narrative oarding tecl	es, develop nniques for				
Unit IV	Graphic Design for Media – This unit delves into the principles of graphic design for media production. Students learn how to create visually appealing graphics, animations, and illustrations for use in videos, websites, and print materials. Software tools like Adobe								
Unit-V	Digital Marketi content online engagement. T	Photoshop and Illustrator are often taught.  Digital Marketing Basics – In his unit introduces students to promoting and sharing media content online, including using social media, SEO, and understanding audience engagement. These simplified units provide a solid foundation for anyone interested in media production without overwhelming them with technical details							

- The Filmmaker's Handbook" by Steven Ascher and Edward Pincus. Textbook: "Cinematography: Theory and Practice" by Blain Brown.
- "The Mixing Engineer's Handbook" by Bobby Owsinski. "Audio in Media" by Stanley R. Alten.
- "The Non-Designer's Design Book" by Robin Williams. Textbook: "Adobe Illustrator CC Classroom in a Book" by Adobe Creative Team.
- Reference Book: "Digital Marketing for Dummies" by Ryan Deiss and Russ Henneberry. Textbook: "SEO 2023: Learn Search Engine Optimization with Smart Internet Marketing Strategies" by Adam Clarke.

### **Online Resources**

https://worldcat.org/title/1031963045

https://find.mtsu.edu/vufind/Record/mig00004554488

https://www.weforum.org/agenda/2021/01/video-streaming-was-a-hit-during-covid-19-but-what-

does-that-mean-for-media/

# **Course Outcome**

CO-1	Video production basics: camera use, framing, lighting, audio recording.	K1
CO-2	Audio skills: recording, editing, DAWs, music, sound effects.	K3&K6
CO-3	Scriptwriting, storyboarding: narrative, characters, visual planning.	K4
CO-4	Graphic design principles for media: visuals, animations, software tools.	K5
CO-5	Digital marketing basics: promotion, social media, SEO, audience engagement.	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

# S-Strong (3), M-Medium (2), L-Low (1)

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S–Strong (3), M-Medium (2), L-Low (1)** 

			IV-Semester - A	llied						
A III: a J	Course and a	A mimodian 1	Duaduatian Taabu	iana Duadiad	D	<b>Credits:</b>	Hours:			
Allied	Course code: 83247	Animation	roduction Techn	niques - Practical	P	2	4			
				ethods, and tools						
Objective				perspectives tha						
S				ferent material	and t	try out va	rious an			
1 Crea	te a lamp rig &		in their specializ	ed area.						
			ee joint setun for h	and, leg with glob	al cor	ntrol				
	nate the characte			ana, iog with give	ur cor	11101.				
				to the table placed	l in the	e distance.				
	an inorganic mo	_		1						
_	an organic mode									
7. Ani	mate a tail ball.									
8. Crea	ate a walk cycle	for a charact	er.							
9. Set a				st in different suita	ible ca	amera angle	S			
			se tasks, students	will be able to:						
		ig and Anima								
		➤ Create a 3D lamp model.								
		➤ Make the lamp move realistically, like turning it on/off.								
	➤ Character Rig with Global Control:									
			for hands and legs							
			ving the whole ch	aracter.						
		er Animation	•	1						
			r walking convinc	ingiy.						
		smooth wall	- Lifting Weight:							
			r picking up and p	lacing a weight						
	➤ Make it		i picking up and p	nacing a weight.						
Outcome		Inorganic M	odel:							
S		-	ving, like a machi	ne.						
			manipulation.							
		Organic Mo	_							
		-	l, like a person or a	an animal.						
	_	-	novement and exp							
	➤ Animati	ng a Tail Bal	1:							
	> Animate	e a tail ball (e	.g., on an animal)	naturally.						
		g a Walk Cyc								
			k realistically.							
			alk animation.							
		ment and Car								
	➤ Place a o	character in a	3D scene.							

Jason Osiapa, "Stop Staring", second edition, Wiley, Sybex, 2007.

Kyle Clark, "Inspired 3D character animation", Premier Press, 2002.

Peter Ratner, "Mastering 3d Animation", second edition, Allworth Press, 2004.

Richard Williams, "The Animator's Survival Kit", Faber and Fabe, 2009.

Online Resources

https://www.amazon.in/Animators-Survival-Kit-Richard-Williams/dp/0571238343

https://www.amazon.com/Inspired-Character-Animation-Kyle-Clark/dp/1931841489

> Set up different camera views and record animations.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		V-Semester -Core						
Core	Course code:	Business of Media	Т	Credits:	Hours:			
	83251			4 5				
Course Objectives	profit l 2. Explor approa 3. Exami charac comm 4. Introde market accour 5. Import	are and contrast private sector firms, cooperatives businesses e organizational structures, their significance, ke ches, and their pros and cons. ne stakeholders, their influence, types (internal atteristics, including owners, managers, employees unity, and government. nection to Business Studies, covering business object analysis, human resources, production/operation tring/finance, external influences, market structurance of Communication, Business Structure, Ent Responsibility.	y term nd ext s, custo ective ns mar res, an	ernal), and omers, suppl s, strategy, r nagement, d economics	liers, marketing,			
Unit - I		<b>ness Organization</b> – Private Sector and Public Solifferences – Cooperatives – Franchises – Not fo						
Unit - II	Organization Business – Pro	al Structures – Importance of Structure – Key Tos and Cons of Different Structures – Functional ity – Organization by Area – By Customer – By	erms Struct	– Ways to S ture - Organi	tructure a			
Unit - III	Stakeholders -	<ul> <li>Pressures on Business – Types of Stakeholder</li> <li>Characteristics of Stakeholders - Owners and Staff – Customers – Suppliers – Community – G</li> </ul>	hareho	olders – Mar				
Unit IV	Market Analy Resources –	to Business Studies – Business Objectives a rsis – Marketing Strategy – Market Research Production/Operations Management – Account Market Structures – Macro and Micro Economics	– Mai	rketing Mix	– Human			
Unit-V	Structure- Ch	mmunication – Importance of Communicat annels of Communication - Introduction to Enthip -Social Responsibility of an Entrepreneur.						

- Reference and Text Books:
- Al Lieberman, "The Entertainment Marketing Revolution: Bringing the Moguls, the Media, and the Magic to the World", Financial Times/ Prentice Hall, 1 edition, 2002.
- Alison Alexander, James Owers, Rodney A. Carveth, C. Ann Hollifield, Albert N Greco, "Media Economics Theory and Practice (LEA's Communication Series)", Lawrence Erlbaum Associates, 2003.
- Gail Resnik, "All You Need to Know About the Movie and TV Business", Touchstone, 1996.
- Gillian Doyle, "Understanding Media Economics", Sage Publications Ltd, 2013.
- Peter Thiel, "Zero to One: Notes on Startups, or How to Build the Future", Crown Business, 2014.

### **Online Resources**

https://worldcat.org/title/1031963045

https://find.mtsu.edu/vufind/Record/mig00004554488

https://www.weforum.org/agenda/2021/01/video-streaming-was-a-hit-during-covid-19-but-what-does-that-mean-for-media/

### **Course Outcome**

CO-1	Analyze private and public sectors, assess private firms, differentiate cooperatives, franchises, and not-for-profits.	K1
CO-2	Learners understand org structures, key terms, and pros/cons.	K3&K6
CO-3	Learners grasp stakeholder types, characteristics, pressures, and their roles in business.	K4
CO-4	Learners gain insight into business studies, objectives, marketing, HR, finance, economics,	K5
CO-5	understand business communication, structure, entrepreneurship, and social responsibility.	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		V-Semester -Core						
				Credits:	Hours:			
Core	Course code: 83252	Portfolio & Presentation	T	4	5			
Course Objectives	<ul><li>2. Equip st</li><li>3. Prepare emphasi</li><li>4. Underst</li></ul>	udents for effective portfolio creation and presudents with the skills to create and present eff students for professional portfolio presentation zing presentation techniques and format required the skills to create, use, and analyze market portfolio maintenance, design, publishing, and	ective ns in the rement eting n	digital portf neater, TV, a ts. nediums effe	and film, ectively.			
Unit - I	Basics of Portfolio, Importance of portfolio, Elements in Portfolio - Types of Portfolio - The Effective Showcase - Development Techniques - Portfolio requirements - Portfolio Development Techniques Do's and Don'ts.							
Unit - II	Techniques - D	the Digital Portfolio - The Effective Digital Shesign document, Different stages of digital me Do's and Don'ts.						
Unit - III		reparing professional Theater /TV/Film Portfologeneration skill - Presentation Format and requ			chniques			
Unit IV	and Web pages	Marketing: Business Cards - Blog and Web pages - Importance of Business Cards, Blog and Web pages - Design and development of Business Cards, Blog and Web pages - Market analysis for using medium of marketing - Introduction to social networking and its						
Unit-V	Portfolio Main Portfolio Guid	tenance - Components of a Portfolio - Aud elines - Portfolio Design - Portfolio Budgo portfolio - Portfolio enhancement			_			

- 1. Harold Linton, "Portfolio Design", W. W. Norton & Company, Fourth edition, 2012.
- 2. Rafael Jaen, "Developing and Maintaining a Design-Tech Portfolio A Guide for Theatre", Film and TV, 2006.
- 3. Rod Judkins, "The Art of Creative Thinking", Sceptre, 2015.
- 4. Sara Eisenman, "Building Design Portfolios, Innovative Concepts for Presenting Your Work". Design Field Guides, 2004
- 5. Wiedmer, T.L., "Digital portfolios: Capturing and demonstrating skills and levels of performance", Phi Delta Kappan: SAGE Journals, 1998.

### **Online Resources**

https://www.format.com/magazine/galleries/illustration/animation-portfolio-roundup

https://www.youtube.com/watch?v=abgSmvf0238

https://www.youtube.com/watch?v=0Of4EFZB2vI

# **Course Outcome**

CO-1	Define and demonstrate the importance of portfolios and Identify key portfolio elements and types.	K1
CO-2	Develop the significance of digital portfolios and	K3&K6
CO-3	Demonstrate effective professional presentation skills.	<b>K4</b>
CO-4	Students will develop marketing materials, understand their importance, and harness social networking for success.	K5
CO-5	Develop, maintain, design, and publish portfolios with audience-focused content and adhere to guidelines.	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

V-Semester-Elective-I										
Elective-I	Course Code:	Character Design and Illustration -	p	Credits:	Hours:					
	83253A	Practical	Г	4	4					
Objectives	be capable of culturally sen different back character. W	evelop characters that resonate with the targ expressing a range of emotions and mood asitive and diverse, reflecting a realistic ar agrounds, ethnicities, and cultures. Conside thether it's a hero, villain, sidekick, or sup with the role and purpose within the story.	ls. De nd inc r the	sign charac lusive repi intended fu	cters that are resentation of unction of the					

- 1. Understand the context of the story or project, including the time period, genre, and setting. Characters should be designed to fit seamlessly into this context.
- 2. Define the role and function of the character within the narrative. Whether it's a protagonist, antagonist, sidekick, or supporting character, the design should reflect their purpose.
- 3. Adhere to the established visual style of the project. Ensure that the character design is consistent with the overall artistic direction, whether it's realistic, stylized, cartoonish, or another style.
- 4. Specify the character's age, gender, and physical attributes. These details contribute to the character's identity and how they interact with the story.
- 5. Determine the character's personality traits, background, and back story. These elements influence the character's appearance, expressions, and overall demeanor.
- 6. Incorporate cultural and diversity considerations into the character design. Ensure sensitivity and authenticity in representing different backgrounds and perspectives.
- 7. Ensure that the character has a distinct silhouette for easy recognition, especially in contexts like animation, gaming, or merchandise.
- 8. If the character will be animated, design it with adaptability in mind. Consider how the character will move and emote, and ensure that the design allows for flexibility in animation.
- 9. Establish a process for gathering feedback and making revisions.
- 10. Consider accessibility factors, especially if the character will be used in educational materials or products. Ensure that the design is inclusive and accommodates diverse audiences.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

V-Semester-Elective-I										
Elective	Course			Credits:	Hours:					
	<b>Code:</b> 83253B	Matte Painting-Practical	P	4	4					
Objectives	principles, ind industry-stand Photoshop, A create matte p	undational understanding of matte painticluding perspective, lighting, and compositidard digital tools and software for matutodesk Maya, or specialized matte paintipaintings that seamlessly integrate with live-trealism and consistency across different shows	on. G te pa ng sof	ain profici inting, suc tware. Acc	ency in using ch as Adobe quire skills to					

- 1. Students will be assigned various matte painting projects that allow them to practice and apply the skills they are learning. These projects may involve creating different types of environments, such as landscapes, cityscapes, or interior spaces.
- 2. Gain proficiency in using digital tools and software specific to matte painting. This may include software like Adobe Photoshop, Autodesk Maya, Nuke, or other industry-standard tools.
- 3. Building a strong portfolio is crucial for showcasing one's skills and creativity. Students should work on a variety of matte painting projects to create a diverse portfolio that demonstrates their proficiency in different styles and environments.
- 4. Develop a deep understanding of perspective and composition to create realistic and visually engaging matte paintings. This involves considering camera angles, lighting, and the placement of elements within the frame.
- 5. Understand the role of matte painting in storytelling. Students should be able to contribute to the narrative by creating environments that enhance the mood and atmosphere of a scene.
- 6. Experiment with creating matte paintings in different genres and styles. This versatility allows students to adapt to various project requirements and express their creativity across a broad spectrum.
- 7. Develop the ability to present and discuss their work in a critique setting. This involves articulating the creative decisions made in the matte painting and being receptive to feedback.
- 8. Practice set extension techniques to seamlessly extend physical sets or create entirely digital environments. This involves making environments that blend seamlessly with live-action footage.
- 9. Learn how to adapt matte paintings for different mediums, whether it's film, animation, gaming, or virtual reality. Each medium may have specific requirements and constraints that students should be familiar with.
- 10. Consider taking on freelance or contract opportunities to apply matte painting skills in real-world projects. This practical experience can be valuable for building a professional portfolio and gaining industry exposure.

# > Students will be capable of producing realistic and immersive environments that seamlessly integrate with live-action footage, adding depth and atmosphere to scenes.

- ➤ Acquire proficiency in using digital art tools and software, such as Adobe Photoshop, Autodesk Maya, Nuke, or other industry-standard applications commonly used in matte painting.
- > Contribute to the narrative of a project by creating matte paintings that enhance storytelling, mood, and atmosphere, supporting the overall visual experience.

**Outcomes** 

- Work effectively within a team, collaborating with directors, producers, and other artists to ensure that matte paintings align with the project's vision and goals.
- > Demonstrate versatility by creating matte paintings across different genres and artistic styles, adapting to the specific requirements of diverse projects.
- > Navigate industry tools, workflows, and best practices commonly used in matte painting, ensuring that their work aligns with professional standards.
- Adapt matte paintings to suit different mediums, whether it's film, animation, gaming, virtual reality, or other forms of visual media, understanding the specific requirements of each.
- > Develop the ability to present and discuss their matte painting work in critique settings,

### **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

### Mapping Course Outcome VS Programme Specific Outcomes

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

	V-Semester-Elective-I											
Elective	Course Code:	Digital Graphics Editing- Practical	D	<b>Credits:</b>	Hours:							
	83253C	Digital Graphics Editing- Fractical	1	4	4							
Objectives	enhancing vis	ics editing serves practical needs by enabling ual appeal, and ensuring professional outpublor correction, and composition adjustment impact.	t. Obj	ectives incl	ude seamless							
1. Learn	1. Learn basic tools: master essential functions like cropping and resizing.											

- 2. Understand layers: grasp the concept of layering for effective image composition.
- 3. Color correction: enhance images by adjusting color balance.
- 4. Retouching skills: remove imperfections for a polished look.
- 5. Text addition: incorporate text elements seamlessly.
- 6. Filters and effects: explore creative enhancements for unique visuals.
- 7. Masking techniques: refine precision in editing with masking.
- 8. Image manipulation: practice transforming elements for diverse compositions.
- 9. Batch processing: streamline workflows by editing multiple images simultaneously.
- 10. Output optimization: ensure final images meet desired specifications.

Outcomes	<ul> <li>Proficient Editing: Attain the ability to perform fundamental edits with precision.</li> <li>Creative Composition: Develop skills to create visually appealing compositions using layers and effects.</li> <li>Color Expertise: Achieve mastery in color correction techniques for vibrant and balanced images.</li> <li>Polished Retouching: Acquire the skill to seamlessly remove imperfections, enhancing overall image quality.</li> <li>Efficient Workflow: Streamline editing processes through batch processing and optimal output techniques.</li> </ul>
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Digital Photography Masterclass" by Tom Ang (Latest Edition)

The Adobe Photoshop Lightroom Classic CC Book" by Martin Evening (Latest Edition)

"Color Correction Handbook: Professional Techniques for Video and Cinema" by Alexis Van Hurkman (Latest Edition)

"Photoshop CC: The Missing Manual" by Lesa Snider (Latest Edition)

Krasner, J. (2004). Motion Graphic Design and Fine Art Animation: Principles and Practice. Focal Press.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		V-Semester -			
Elective-II					
Elective	Course Code:	Advanced Modeling and Texturing-	P	Credits:	Hours
Liective	83254A	Practical	1	4	4
Objectives	progressing fr standard wor	nprehensive understanding of 3D modeling us om fundamentals to advanced shader progra oflows. Master texture creation, PBR materia for professional projects and collaborations.	mmi	ing and ind	ustry-
Stude	nts are require	d to			
	the basics of cresk Maya.	eating three-dimensional objects using software	like	Blender or	
2. Under texture		al concepts of adding realistic surfaces and deta	ils to	3D models	through
3. Maste	r the art of unwi	apping and mapping textures onto 3D models ef	ficie	ntly for real	istic

- Master the art of unwrapping and mapping textures onto 3D models efficiently for realistic rendering
- 4. Explore methods to generate textures algorithmically for efficient and creative texture creation
- 5. Get hands-on experience in sculpting digital models, enhancing your modeling skills with software like ZBrush.
- 6. Delve into Physically Based Rendering (PBR) principles to create materials that behave realistically under various lighting conditions.
- 7. Learn techniques to optimize 3D models and textures for real-time applications, focusing on performance
- 8. Gain insights into shader programming to create custom visual effects and enhance the realism of your 3D scenes.
- 9. Develop skills in painting textures directly onto 3D models, adding fine details and artistic touches.
- 10. Consider his expressions, postures, reactions, before and after the incident.

# Outcomes Create 3D objects using Blender or Autodesk Maya.. Learn to add realistic surfaces and details to 3D models Master efficient unwrapping and mapping of textures onto models. Explore algorithms for creative and efficient texture generation. Enhance modeling skills with ZBrush for sculpting digital models. Understand Physically Based Rendering for realistic material creation. Optimize 3D models and textures for real-time application performance. Develop custom shaders for visual effects and enhanced realism. paint textures directly onto models for fine details and creativity. Analyze expressions, postures, reactions for realistic 3D character portrayal.

### **Reference and Text Books:**

- Digital Modeling" by William Vaughan
- "Texturing and Modeling: A Procedural Approach" by David S. Ebert, F. Kenton Musgrave, Darwyn Peachey, Ken Perlin, and Steve Worley
- "Physically Based Rendering: From Theory to Implementation" by Matt Pharr and Greg Humphreys

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

Elective-II		V-Semester -			
	Course			Credits:	Hours:
Elective	<b>Code:</b> 83254B	Digital Sculpting - Practical	P	4	4
Objectives		cital sculpting in software like ZBrush or Ble appe creation, texture application, ptopology.		involves lea	rning UI,
<ol> <li>Unders</li> <li>Start w</li> <li>Explor</li> <li>Develo</li> <li>Learn t</li> <li>Gain k</li> <li>Practic</li> <li>Study o</li> </ol>	stand the user in rith creating single various sculp op proficiency in the basics of approved about the refining your digital anatomy the in practical provided in	opular digital sculpting software such as ZBrush enterface and navigation tools within the chosen apple shapes and forms to grasp the fundamental ting techniques like adding and subtracting detain using different brushes for specific effects plying textures to enhance the realism of your set the importance of good topology for 3D mode models by smoothing surfaces and adjusting protocreate more realistic and anatomically accurate to each of the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and reinforce your underesting the projects to apply your skills and your your your your your your your your	softw s. iils. culptu ils. coport rate sc	are. ures. ions. culptures.	igital
Outcomes	confider tools  Achieve tools  Develor complete  Apply create in the dig  Understapply to the dig  Practice and add  Integra	ence. The proficiency in efficiently using the software in the profice of the software in the profice of the software in the profice of the	nterfa as a for and su chiev al app ogy in	ce and navigoundation for abtracting does not be specific to be all and real and real and string propositions.	gation or more etails, to extures lism of and rtions,

• Blender Foundations: The Essential Guide to Learning Blender 2.6" by Roland Hess (Year: 2010)

understanding of digital sculpting concepts and techniques.

> Successfully execute practical projects, demonstrating a comprehensive

- "Blender Cycles: Materials and Textures Cookbook" by Enrico Valenza (Year: 2014)
- "Topology for Character Animators" by Chris Hakala (Year: 2016)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

		V-Semester -				
Elective-II						
Elective	Course Code:		P	Credits:	Hours:	
Liective	83254C	Creature Sculpt- Practical	r	4	4	
Objectives		g digital sculpting in software like Z Brush or B sculpting techniques, topology, anatomy, and pr			arning	

- 1. Focus on understanding fundamental anatomical structures to enhance creature realism.
- 2. Learn to use various sculpting tools efficiently for precise detailing.
- 3. Explore practical methods for adding textures to enhance the creature's surface.
- 4. Digital Sculpting Software: Gain proficiency in popular digital sculpting software for practical applications.
- 5. Master the art of posing creatures to convey emotion and dynamic movement..
- 6. Develop skills in maintaining proper proportions and scale for realistic creature design.
- 7. Learn to translate 2D concept art into 3D creature sculptures effectively.
- 8. Engage in constructive critiques to refine and improve your creature sculpting skills.
- 9. Understand the essentials of 3D printing for creating physical models of your creature sculptures.
- 10. Develop techniques for presenting your creature sculpts professionally in various formats.

To. Develo	b techniques for presenting your creature sculpts professionarry in various formats.
	➤ Improve students' ability to sculpt with precision and attention to detail.
	➤ Develop expertise in utilizing sculpting tools effectively for diverse projects.
	Acquire practical knowledge in applying textures to enhance the realism of sculptures.
	Attain proficiency in popular digital sculpting software for versatile creative expression.
	➤ Master the art of posing to convey emotion and movement in sculpted creations.
Outcomes	Refine skills in maintaining proper proportions and scale for realistic and compelling sculptures.
	➤ Learn to translate 2D concept art into 3D sculptures with precision and creativity.
	Develop the ability to give and receive constructive feedback for continuous improvement.
	Gain knowledge of 3D printing basics for transforming digital creations into tangible sculptures.
	> Cultivate skills in presenting sculptures effectively, enhancing communication
	and showcasing creative achievements.

- Digital Sculpting with Mudbox by Bridgette Mongeon (2010).
- Anatomy for Sculptors by Uldis Zarins (2014).
- Digital Texturing and Painting by Owen Demers (2002).

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

Elective -III		V-Semester -			
Elective	.Course Code:	Live with CG- Practical	P	Credits:	Hours:
Elective	83255A	Live with CG-Tractical	1	4	4
Objectives	Graphics in Anim dynamic simulati	s to equip students with a solid unation. Through practicals, students wons, lighting, and rendering technique to the portfolio.	ill mas	ter charact	er rigging
Student 1. Unders 2. Hands- 3. Learn tl 4. Practica animati 5. Explore appeal. 6. Utilize 7. Hands- 8. Learn to 9. Explore 10. Apply a	s are required to tand the basics of Con experience with the process of creating all sessions on simulations. The live demonstration of the conference with the seamlessly integrated tools and technique acquired skills in process.	Computer Graphics (CG) and its application popular CG animation software, such as any skeletons (rigging) and animating challating dynamic elements like fluids, clothers of lighting setups and rendering technical coryboarding, allowing real-time adjustments controlling virtual cameras to capture dynate visual effects into live-action and animals for real-time collaboration on CG projectical projects, building a strong portfol	Autodo aracters a, and h iques to ents and mamic a mated s jects, fo	esk Maya or in a live sett air for realis enhance vis d feedback. and engagin acenes. ostering team	ting. tic sual g shots.
Outcomes	and animati 2. Demonstrat involving li 3. Produce a v advanced li 4. Develop an adjustments 5. Execute vir environmen 6. Integrate sp in VFX inte 7. Collaborate to enhance i 8. Apply CG s	ecial effects seamlessly into animated sc	tion of of equence llowing lling she enes, sh utilizin	dynamic sce e by applyin for real-tim ots in an ani nowcasing ex	nes g e mated xpertise ive tools

- Blender Foundations" by Roland Hess (2010)
  Digital Lighting and Rendering" by Jeremy Birn (2013)
  The Art of 3D Computer Animation and Effects" (2017)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		V-Semester -			
Elective -III	Course	Advanced Composition- Practical		Credits:	Hours:
Elective	Code: 83255B	P	4	4	
Objectives		ns to develop advanced animation composising on depth, framing, rhythm, contr			
<ol> <li>Exper</li> <li>Perfec</li> <li>Establ</li> <li>Emph</li> <li>Emplo</li> <li>Explo</li> <li>Lever</li> <li>Align</li> </ol>	iment with unce to the rule of this lish a flow of me asize characters by color theory in re diverse angle age empty space visuals with nar	depth to create a sense of dimension  onventional framing techniques for impactful rds to enhance visual balance and focus.  ovement through deliberate placement and tin and objects through well-defined shapes. for mood enhancement and visual cohesion. It is an dynamic camera movements for engagines for effective composition and emphasis.  Trative elements for cohesive storytelling. In sequences, identifying composition nuances	ning.	ies.	cation.
Outcomes	and back  Make varionize it  Animate balance.  Create a Design a emotion  Produce  Animate storytell  Craft an	animated characters and scenes with clear contains and clarity.  a short animation using color theory for moot excenes with different camera angles and moving.  animation using deliberate negative space, en animation that aligns with a given story, ens	fects, hi focus a hm, enl trast and d and v wements	ghlighting hand keeping nancing stor disilhouetter isual consists for engaging key eler	ow each visual ytelling. s for tency. ng ments.

> Analyze and recreate frames from animations to understand and apply effective

# **Reference and Text Books:**

- The Animator's Survival Kit" by Richard Williams (2009)
- The Illusion of Life" by Frank 1 nomas and One some
  Force: Dynamic Life Drawing" by Michael D. Mattesi (2006) The Illusion of Life" by Frank Thomas and Ollie Johnston (1981)

composition choices in original work.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

V-Semester -										
Elective -III										
Elective	Course Code:	Advanced Motion Graphics - Practical	P	Credits:	Hours:					
	83255C	-	4	4						
Objectives cultivates expertise in motion graphics software, storyboarding, animation techniques, visual effects integration, and practical project application.										
1 Title S	equence Creation:	Design an engaging title sequence for a hyr	otheti	cal film or	TV					

- 1. Title Sequence Creation: Design an engaging title sequence for a hypothetical film or TV show, incorporating animated text, graphics, and effects.
- 2. Logo Animation: Develop a dynamic animation that brings a company or personal logo to life using motion graphics techniques.
- 3. Infographic Animation: Create an animated infographic that visualizes statistical data or complex information using motion graphics elements.
- 4. Character Animation: Animate a character or mascot using motion graphics, focusing on movement, expressions, and storytelling.
- 5. Music Video Segment: Design a short segment for a music video, synchronizing visuals with the rhythm and mood of the music.
- 6. Explainer Video: Develop an animated explainer video that effectively communicates a concept, product, or service using motion graphics.
- 7. Broadcast Graphics Package: Create a set of cohesive graphics for a TV show or news segment, including lower thirds, transitions, and on-screen elements.
- 8. Interactive Motion Graphics: Design interactive elements using motion graphics for web or mobile applications, considering user interaction and engagement.
- 9. Social Media Ad: Produce a short, attention-grabbing motion graphics ad suitable for platforms like Instagram, TikTok, or YouTube.
- 10. Title Animations for Film Scenes: Design and animate title cards or transitions for various scenes in a short film, demonstrating versatility in motion design styles.

# 1. Develop a dynamic motion graphic that visually represents a brand's identity through animation, incorporating elements like logos, typography, and color schemes. 2. Produce an engaging and informative motion graphic video that explains a complex concept or process using captivating visuals, animation, and narration. 3. Design and animate compelling title sequences for a film or TV show, utilizing motion graphics to set the tone, style, and mood of the production. 4. Create an animated data visualization project that presents complex information or statistics in a clear, visually appealing manner, using motion to enhance understanding. 5. Develop interactive motion graphics optimized for web platforms, incorporating animation and interactivity to engage users in an online environment.

### **Reference and Text Books:**

"The Animator's Survival Kit" by Richard Williams Date: First published in 2001 "The Art of VFX" by Pauline Didier and Karen Raugust Date: First published in 2019

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		V-Semester -Core							
				Credits:	Hours:				
Core	Course code: 83256	Portfolio & Presentation - Practical	P	3	6				
<ul> <li>Curate a portfolio showcasing a range of multimedia projects, demonstrating versatility and expertise</li> <li>Incorporate consistent branding elements to establish a recognizable and professional personal identity.</li> <li>Highlight key achievements and successful projects to demonstrate skills, experience, and impact</li> <li>Include interactive elements, such as clickable links and engaging content, to captivate and impress viewers.</li> <li>Feature endorsements and recommendations to build credibility and showcase positive professional relationships.</li> </ul>									
<ol> <li>Comm project</li> <li>Illustra</li> <li>Presen</li> </ol>	unicate a uniques.  te technical ex	mation skills, including styles, techniques, and e creative vision and storytelling ability through pertise in animation tools, character design, right d cohesive portfolio that reflects professionalis	gh sho gging, a	wcased anin	nation principles.				
	presentation th	nat captivates viewers, leaving a lasting impres	sion o	f creativity,	skill, and				
Outcomes	> Develo > Craft a > Establi > Edit vio > Create > Author > Produc > Create	p a cohesive personal brand identity. polished professional resume tailored for corp sh and maintain a personal development blog. deo content effectively. customized audio tracks to enhance their demo interactive portfolios using various authoring e high-quality hardcopy portfolios showcasing and maintain online portfolios on reputable we rofessional game trailers.	reel. tools.	specializatio					

- 1. Rod Judkins, "The Art of Creative Thinking", Sceptre, 2015.
- 2. Sara Eisenman, "Building Design Portfolios, Innovative Concepts for Presenting Your

> Design personalized visiting cards and establish a social media presence.

> Develop budgeting skills for portfolio projects, ensuring cost-effective execution.

- 3. Work". Design Field Guides, 2004
- 4. Wiedmer, T.L., "Digital portfolios: Capturing and demonstrating skills and levels of
- 5. performance", Phi Delta Kappan: SAGE Journals, 1998.

### **Online Resources:**

https://www.youtube.com/watch?v=XkgigglXX3Q

 $\underline{https://www.southwales.ac.uk/courses/ba-hons-animation-2d-and-stop-motion/1993/how-to-create-astrong-portfolio-for-stop-motio-for-stop-motion/1993/how-to-create-astrong-portfolio-for-stop$ 

animation/#:~:text=Build%20a%20well%2Drounded%20portfolio,including%20model%20making%20or%20sculpture.

https://www.format.com/magazine/galleries/illustration/animation-portfolio-roundup

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

**S-Strong (3), M-Medium (2), L-Low (1)** 

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

S-Strong (3), M-Medium (2), L-Low (1)

VI-Semester -Core										
				Credits:	Hours:					
Core	Course code:	Production Management	T	4	4					
	83261	and of the course students should undouston	d 4h a							
		end of the course, students should understan	a tne	Tungament	al					
		s in the subject matter. s should be able to apply what they've learn	ad ta	salva raal v	vorld					
			eu to	soive real-w	oriu					
Course	problems or tasks.  3. The course will enhance students' ability to think critically and analyze									
Objectives		tion effectively.	iticai	iy and anaiy	ZC					
Sofectives			munio	eation skills	. enabling					
		4. Students will improve their written and verbal communication skills, enabling them to express complex ideas clearly.								
		rse aims to in still ethical values and profess	ional	ism in stude	ents,					
		ng them for ethical decision-making in their			,					
	Pre-Production	Planning: This unit involves all the preparation	work	before actua	ıl					
Unit - I	animation production begins. It includes tasks such as scriptwriting, storyboarding,									
Unit - 1	character design, creating a production schedule, and budgeting. Pre-production planning									
		ion for the entire project.								
	Production Team Management: Managing the production team is essential. This includes									
Unit - II	hiring and assigning tasks to animators, background artists, sound engineers, voice									
	actors, and other crew members. Effective communication and coordination are vital to									
	keep the team o		1							
		source Management: Managing the budget a								
Unit - III		project stays within financial constraints. Tating resources efficiently, and making adjus								
	cost overruns.	ating resources efficiently, and making adjus	шеш	s as needed	to avoid					
		ol and Review: Throughout the production pro	cess 1	there should	he regular					
		ol checks and reviews. This includes eva								
Unit IV		ecuracy, and adherence to the project's vision.		-						
	be necessary to maintain the desired quality.									
		and Delivery: After animation production is	com	olete, there	is a post-					
II:4 X7	production phase that involves tasks such as editing, adding sound effects and music, and									
Unit-V	finalizing the project. This unit also includes the delivery of the final product to the client									
	or the audience	through various distribution channels.								
Refer	rence and Text	Books:								

- Reference and Text Books:
- Eric Allen & Kelly L Murdock, Body Language: Advanced 3D Character Rigging, Wiley, 2008
- John Halas, "Timing for Animation", Elsevier, Focal press, 2009.
- Jason Osiapa, "Stop Staring", second edition, Wiley, Sybex, 2007.
- Kyle Clark, "Inspired 3D character animation", Premier Press, 2002.
- Peter Ratner, "Mastering 3d Animation", second edition, Allworth Press, 2004.
- Richard Williams, "The Animator's Survival Kit", Faber and Fabe, 2009.

### **Online Resources**

https://www.sdcpublications.com/Textbooks/Autodesk-Maya/291/

https://www.youtube.com/@Autodesk Maya

https://help.autodesk.com/view/MAYAUL/2023/ENU/

### **Course Outcome**

CO-1	Students will be able to demonstrate a comprehensive understanding of the core concepts and principles in [subject]	K1
CO-2	Students will be able to apply the acquired knowledge to solve real-world problems or situations related to [subject]	K3&K6
CO-3	Students will develop the ability to critically analyze and evaluate information, enabling them to make informed decisions.	K4
CO-4	By the end of the course, students will be able to communicate their ideas and findings clearly and persuasively through written reports and oral presentations.	K5
CO-5	Students will exhibit ethical reasoning and decision-making skills, recognizing and addressing ethical dilemmas related to [subject].	K2&K6

# On what level it correlated with COs & POs -based on that we have to give marks

# **Course Outcome VS Programme Outcomes**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2)	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S–Strong (3), M-Medium (2), L-Low (1)** 

	_	VI-Semester -Core										
Core	Course code:	Sonic Dimensions in Animation	Т	Credits:	Hours:							
	83262		1	4	4							
Course		Sound: Understand how sound enhances an Design Skills: Learn techniques for creating		•	_							
Objectives	<ul><li>3. Syncing</li><li>4. Creativ</li></ul>	<ol> <li>Syncing Audio: Practice matching sound to visuals effectively.</li> <li>Creative Use of Sound: Explore using sound to express creativity and emotion.</li> <li>Technical Proficiency: Develop practical skills in sound production software.</li> </ol>										
Unit - I	_	Setting the Mood and Atmosphere: Sound sets the tone for a scene, establishing the mood and atmosphere. It can convey emotions effectively through music, ambient sounds, and										
Unit - II		lopment: Sound gives characters unique voice insights into age, gender, background, and tem			ties. Voice							
Unit - III		Sound effects bring the animated world ty help the audience understand and feel what's										
Unit IV		Music and Score: Original music enhances emotional engagement. Well-composed music can heighten tension, evoke nostalgia, or enhance emotional impact.										
Unit-V		Dialogue: Dialogue is essential for storytelling the plot, character relationships, and development		r and expres	ssive voice							

- 1. "The Sound Effects Bible" by Ric Viers (2008) Covers creating and recording sound effects for animations.
- 2. "Audio Postproduction for Film and Video" by Jay Rose (2013) Explores sound in animation post production.
- 3. "Sound for Film and Television" by Tomlinson Holman (2010) Discusses various aspects of sound design for animation.
- 4. "The Complete Guide to Game Audio" by Aaron Marks (2013) Offers insights into sound design principles applicable to animation.
- 5. "Audio-Vision: Sound on Screen" by Michel Chion (1994) Explores the relationship between sound and animation.

### **Online Resources**

 $\frac{https://books.google.co.in/books?id=DC0OAVs6kMgC\&printsec=frontcover\&source=gbs\_ge\_su\_mmary\_r\&cad=0\#v=onepage\&q\&f=false$ 

#### **Course Outcome**

CO-1	Students will be able to integrate sound elements seamlessly into animations to enhance storytelling and emotional impact.	K1
CO-2	Students will demonstrate proficiency in sound design techniques, including recording, editing, and mixing, for animation projects.	K3&K6
CO-3	Students will create narrative-driven sound scapes that complement and elevate the visual storytelling in animations.	K4
CO-4	Students will develop the ability to use sound creatively to convey unique artistic visions and evoke specific emotions in their animations.	K5
CO-5	Students will gain practical skills in using industry-standard sound production software and tools, enabling them to produce high-quality audio for animation projects.	K2&K6

On what level it correlated with COs & POs -based on that we have to give marks

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		VI-Schiester -Core		1						
	Course			Credits:	Hours:					
Core	Code:	Animation Film Making - Practical	P	2						
	83263			3	6					
Ob.:4:	Entertair	, engage, and convey messages through creative	sto	rytelling, c	aptivating					
Objectives	visuals, a	nd artistic expression.								
1. Generate	e ideas, str	ucture the narrative, and define target audience prefere	ences	for relatabi	ility and					
resonanc	ee.									
2. Outline	scene prog	ression, emphasizing key moments and visual cues to	enha	ince storytel	lling					
impact.										
3. Develop unique characters with expressive faces and poses, ensuring clear personality and										
relatability.										
4. Design e	nvironme	nts that enhance the narrative, complementing characte	ers a	nd contribut	ing to the					
story's at	mosphere	•								
5. Choose a	a suitable	animation style (2D, 3D, stop-motion) aligning with the	e na	rrative tone	and					
audience	appeal.									
	> A1	nimation films entertain audiences with captivating sto	ries	and visuals.						
	➤ Th	ney can educate viewers on various topics through eng	agin	g narratives.						
	> A1	nimation evokes emotions, connecting viewers to the s	tory	and charact	ers.					
	> It	showcases artistic creativity and innovation in storytel	ling	and animati	on					
	te	chniques.	_							
Outcomes	> A <sub>1</sub>	nimation can influence cultures and societies through i	ts m	essages and	themes.					
	> Su	accessful animation films generate revenue through bo	x off	ice, mercha	ndise, and					
	lic	ensing.								
	> M	any animations receive awards and critical acclaim for	thei	r quality.						
	> A <sub>1</sub>	nimation inspires future filmmakers, artists, and storyt	eller	s to explore	the					

VI-Semester -Core

### **Reference and Text Books:**

- 1. "Animator's Survival Kit" (2009) by Richard Williams: Classic guide to animation principles, especially for hand-drawn techniques.
- 2. "Character Animation Crash Course!" (2008) by Eric Goldberg: Practical tips for Disney-style character animation.
- 3. "Illusion of Life: Disney Animation" (1981) by Frank Thomas and Ollie Johnston: Disney legends explore animation history and principles.
- 4. "Timing for Animation" (2009) by Harold Whitaker and John Halas: Focuses on the importance of timing and spacing in animation.
- 5. "The Animator's Eye" (2011) by Francis Glebas: Offers advice on animation timing, design, and sound.
- 6. "Digital Character Animation 3" (2006) by George Maestri: Covers 3D character animation, rigging, and modeling techniques.
- 7. "Elemental Magic" (2009) by Joseph Gilland: Discusses creating special effects in animation.
- 8. "The Art of Pixar" (2011) by Amid Amidi: Shows the creative process and art behind Pixar's animated films.

### **Online Resources**

https://99designs.com/blog/tips/graphic-design-basics/

https://www.youtube.com/watch?v=YqQx75OPRa0

medium.

https://www.youtube.com/watch?v=65WjYDEzi88

https://www.coursera.org/learn/fundamentals-of-graphic-design

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	S(3)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	3

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	S(3)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	S(3)
CO4	S(3)	M(2)	M(2)	S(3)	S(3)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	3

**S–Strong (3), M-Medium (2), L-Low (1)** 

		VI-Semester -			
Elective -IV Elective	Course Code:	Visual Effects for Animation	P	Credits:	Hours:
	83264A			4	4
	compelling vi	ents with the fundamental knowledge and s sual effects in the context of animation. The e understanding of various visual effects to industry.	e cou	rse aims to	provide a
1. Grasp to 2. Master 3. IntSear	foundational co	ncepts guiding the creation and application of dobe After Effects to execute advanced visual trates visual effects, enhancing narrative and a	effect	s in animati	on.
4. Acquir cohesiv 5. Implen dynam 6. Develo	e expertise in convection composition nent realistic effics.	ombining visual elements, optimizing lighting s. fects like fire, smoke, and fluid dynamics usin tify, analyze, and resolve challenges encounter	g parti	cle systems	and
Outcomes	<ul> <li>Define animat and sin and sin</li> <li>Develo Adobe</li> <li>Apply seamle final properties as a spects</li> <li>implemation as fire,</li> <li>Develo</li> </ul>	and explain key concepts and principles related ton, including concepts such as compositing, pulation.  p proficiency in using industry-standard visual After Effects, Autodesk Maya, and/or other revisual effects techniques to enhance animated saly into animation projects to create a cohesivoduct. To composite visual effects elements with animated such as lighting, shading, and color grading for the particle systems and dynamics to simulate smoke, water, and explosions, within the contrap problem-solving skills in identifying and results and encountered in the process of creating visual contractions.	article l effect levant scenes re and nated s or reali natura ext of olving	ts software stools.  i, integrating visually appropriate integratal phenomeranimated scommon characteristics.	rnamics, such as them realing dering tion. ha, such enes. hallenges

"The Animator's Survival Kit" by Richard Williams Date: First published in 2001 "The Art of VFX" by Pauline Didier and Karen Raugust Date: First published in 2019

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		VI-Semester -				
Elective -IV Elective	Course Code:	Advanced Video Editing Techn	ianes	P	Credits:	Hours:
	83264B				4	4
Objectives	professional v	g of advanced video editing technideo production. The course aims takills of students, enabling them to p	to enhanc	e the	technical p	roficiency
		industry-standard video editing softw				
color g	rading, to enha	nced video editing techniques, such as nce visual storytelling.	•			
3. enabling setting		nmunication and teamwork for compl	ex video j	projec	ts in profess	sional
		inced audio editing and mixing technic complements the visual elements of vice			high-quality	,
		kills, emphasizing organized file structs to enhance productivity in advanced				
Outcomes	creative emotio  Master consist theory  Acquir cleanin clear an  Learn t syncing visual c  Stay up in vide	e advanced storytelling techniques thre use of pacing, rhythm, and sequencinal impact of the content.  color correction and grading techniquency, and mood in video content. Under advanced skills in audio editing and g up audio, adding sound effects, and ind immersive soundscapes.  echniques for editing projects with me and cutting between different shots to experience.  Indicated on current industry trends, emerged editing software to adapt and incorproduction workflows.	ng to enhances to enhances to enhances to enhances to enhance to e	ance t ance v ne prin resul nclud g audi mera a seam	he narrative visual appea nciples of cots. ing technique o elements to angles, includess and dyngies, and new	and  l, blor  les for to achieve  ding hamic  w features

- 1. The Technique of Film and Video Editing: History, Theory, and Practice" by Ken Dancyger Date: First published in 2002 (Fifth edition)
- 2. In the Blink of an Eye: A Perspective on Film Editing" by Walter Murch Date: First published in 1995 (Second edition, 2001)
- 3. Advanced Editing Techniques in Final Cut Pro" by Michael Wohl Date: First published in 2005

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		VI-Semester -			
Elective -IV					
Elastina	Course Code:	Advanced Lighting and Dandaring	Р	Credits:	Hours:
Elective	83264C	Advanced Lighting and Rendering	P	4	4
Objectives	compelling vis	ents with the fundamental knowledge and sual effects in the context of animation. The understanding of various visual effects t industry.	ie cou	rse aims to	provide a
<ul><li>2. Advance based r</li><li>3. Lightin</li><li>4. Photore</li></ul>	ced Rendering Tendering ag Design and Tealistic Renderi Illumination Te	anding the principles and theories behind light Fechniques including ray tracing, global illum Theory that psychological impact of lighting ir- ing through the manipulation of lighting paran- techniques such as radiosity and photon mapp	a 3D soneters, ing to	enes material prosimulate rea	cally- perties listic
Outcomes	utilizing  Develor rendere  Showca lighting  Implem and rese  Critical	te realistic renderings by applying advanced liggrendering algorithms effectively.  p custom shaders to achieve specific visual effectively.  p mood, and storytelling for animated sequences are mood, and storytelling through lighting choicent efficient rendering workflows, ensuring of the custom scenarios.  It is an algorithms effectively.	fects and sections, employed ces. ptimiz	nd artistic st hasizing char ed rendering areas for	yles in

- 1. Real-Time Rendering" by Tomas Akenine-Möller, Eric Haines, and Naty Hoffman Date: Fourth edition published in 2018
- "Digital Lighting and Rendering" by Jeremy Birn Date: Third edition published in 2013
   "GPU Pro: Advanced Rendering Techniques" edited by Wolfgang Engel Date: First published in 2010 (Latest edition available)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)	S(3)	M(2)	L(1)						
CO2	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)	M(2)	M(2)	S(3)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)	M(2)	S(3)	M(2)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	M(2)	M(2)	L(1)	M(2)	S(3)	M(2)	M(2)
CO5	M(2)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	2.4	2.6	2.4	2.2	2.2	2	2.2	2.2	2.4	2

S-Strong (3), M-Medium (2), L-Low (1)

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	M(2)	M(2)
CO2	M(2)	M(2)	S(3)	M(2)	S(3)
CO3	M(2)	S(3)	S(3)	M(2)	M(2)
CO4	S(3)	M(2)	M(2)	S(3)	M(2)
CO5	M(2	S(3)	M(2)	M(2)	S(3)
W.AV	2.4	2.6	2.6	2.2	2.4

**S-Strong (3), M-Medium (2), L-Low (1)** 

		VI-Semester- (	Core			
Core	Course Code: 83265A/ 83265B	83265A/ PROJECT/ DISSERTATION			Credits: 8	Hours: 12
Objectives		inal animation short fi iency, and artistic exp		adva	nced storyt	elling,
Outcomes	> Story Do theme, ex theme, ex Technica utilizing composit > Visual A direction > Sound D dialogue experien > Project M post-proc > Audience reactions > Critical reflecting througho > Presentat including	evelopment: Craft a congaging characters, and all Mastery: Demonstration.  desthetics: Develop a vist, lighting, and cinemator design Integration: Integration: Integration: Integration and sound dece.  Management: Successful duction, adhering to time the Engagement: Create as with the intended automagement and sound decembers.	mpelling and original a well-structured plot. ate proficiency in character animation sually striking short figraphy that enhances grate a well-crafted seffects, to enhance ly manage the project elines and delivering a an animation short fidience, invoking emonstructured in Conduct a critical solutions implementers. ion: Deliver a we ertation outlining the sees encountered during	animal, right animal, right withe street from a polisional analyted, an all-doce creates.	ration technication, and rith attention orytelling.  design, incoverall cin overall cin pre-produces the final production of the productio	niques, scene n to art cluding ematic tion to oduct. es and ns and project, earned project, chnical

### AIM OF THE PROJECT WORK

The objective of the animation project or dissertation is to provide students with an opportunity to demonstrate their comprehensive understanding and application of animation principles, techniques, and industry standards. Through this project, students aim to showcase their creativity, technical proficiency, and critical thinking skills in the realm of animation. The overarching goals include the development and execution of a unique and compelling animation piece that aligns with professional standards, contributes to the student's personal portfolio, and serves as a culmination of their academic learning. This project seeks to deepen their knowledge, refine their skills, and prepare them for real-world challenges within the animation industry. department staff concerned.

### Viva Voce

- 1. Viva-Voce will be conducted at the end of the year by both Internal (Respective Guides) and External Examiners, after duly verifying the Annexure Report available in the College, for a total of 100 marks at the last day of the practical session.
- 2. Out of 100 marks, 25 marks for CIA and 75 for CEE (50 evaluation of project report + 25 Viva Voce).

## Project Report Format

### PROJECT WORK

### TITLE OF THE DISSERTATION

Bonafide Work Done by STUDENT NAME REG. NO.

**GUIDE NAME** 

Dissertation submitted in partial fulfillment of the requirements for the award of <Name of the Degree>
ICAT Design and Media College, Chennai.

College Logo

Signature of the HOD

Submitted for the Viva-Voce Examination held on

**Internal Examiner** 

External Examiner

Month – Year University Logo

### CONTENTS

Declaration

**Bonafide Certificate** 

## Acknowledgment

### I. ANIMATION DOCUMENT

### 1. Conceptualization:

- 1.1 Idea Generation
- 1.2 Storyboarding

## 2. Pre-production:

- 1.1 Character Design
- 1.2 Background Design
- 1.3 Animatic

### 3. Production:

- 1.1 Layouts
- 1.2 Backgrounds
- 1.3 Modeling
- 1.4 Texturing
- 1.5 Rigging
- 1.6 Animation

## 4.Post-production:

- 1.1 Lighting
- 1.2 Rendering
- 1.3 Compositing
- 1.4 Editing

## Conclusion

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S(3)									
CO2	S(3)	M(2)	S(3)	S(3)						
CO3	S(3)									
CO4	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	M(2)	S(3)	M(2)	S(3)
CO5	S(3)	S(3)	S(3)	S(3)	M(2)	M(2)	M(2)	M(2)	S(3)	S(3)
W.AV	3	3	2.8	2.8	2.6	2.6	2.6	2.6	2.8	3

S-Strong (3), M-Medium (2), L-Low (1)

## **Mapping Course Outcome VS Programme Specific Outcomes**

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S(3)	S(3)	S(3)	S(3)	S(3)
CO2	S(3)	M(2)	S(3)	S(3)	S(3)
CO3	S(3)	S(3)	S(3)	S(3)	S(3)
CO4	S(3)	S(3)	M(2)	S(3)	S(3)
CO5	M(2	S(3)	S(3)	S(3)	S(3)
W.AV	2.8	2.3	2.8	3	3

**S-Strong (3), M-Medium (2), L-Low (1)** 

#### **UG Programme**

### Passing minimum

- A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- The passing minimum for CIA shall be 40% out of 25 marks (i.e.10 marks) in Theory/Practical Examinations.
- The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks) for Theory /Practical papers.
- The candidates not obtain 40% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests or by submitting assignments.
- Candidates, who have secured the pass marks in the End-Semester Examination and in the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.
- A candidate shall be declared to have passed in the Dissertation/Project report/Internship report if he/she gets not less than 40% marks in the Internal Assessment and End Semester Examinations and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- A candidate who gets less than 40% in the Dissertation / Internship/ Project Report must resubmit the thesis. Such candidates need to take again the Viva-Voce on the resubmitted report/thesis.

#### 18.2 Grading of the Courses

The following table gives the marks, Grade points, Letter Grades, and classifications meant to indicate the overall academic performance of the candidate.

Conversion of Marks to Grade Points and Letter Grade (Performance in Course / Paper)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	SCRIPTION
- 100	9.0 - 10.0	O	tstanding
- 89	8.0 – 8.9	D+	ellent
- 79	7.5 – 7.9	D	tinction

- 74	7.0 – 7.4	A+	y Good
- 69	6.0 – 6.9	A	od
- 59	5.0 – 5.9	В	erage
- 49	4.0 – 4.9	C	isfactory
- 39	0.0	U	appear
SENT	0.0	AAA	SENT

- a) Successful candidates passing the examinations and earning a GPA between 9.0 and 10.0 and marks from 90 100 shall be declared to have Outstanding (O).
- b) Successful candidates passing the examinations and earning GPA between 8.0 and 8.9 and marks from 80 89 shall be declared to have Excellent (D+).
- c) Successful candidates passing the examinations and earning GPA between 7.5 7.9 and marks from 75 79 shall be declared to have Distinction (D).
- d) Successful candidates passing the examinations and earning GPA between 7.0 7.4 and marks from 70 74 shall be declared to have Very Good (A+).
- e) Successful candidates passing the examinations and earning GPA between 6.0 6.9 and marks from 60 69 shall be declared to have Good (A).
- f) Successful candidates passing the examinations and earning GPA between 5.0 5.9 and marks from 50 59 shall be declared to have Average (B).
- g) Successful candidates passing the examinations and earning GPA between 4.0 4.9 and marks from 40 49 shall be declared to have Satisfactory (C).
- h) Candidates earning GPA between 0.0 and marks from 00 39 shall be declared to have Re-appear (U).
- i) Absence from an examination shall not be taken as an attempt.
   From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated respectively
   by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA).
   These two are calculated by the following formulate

GRADE POINT AVERAGE (GPA) = 
$$\Sigma_i C_i G_i / \Sigma_i C_i$$

GPA = <u>Sum of the multiplication of grade points by the credits of the courses</u>

Sum of the credits of the courses in a Semester

#### 18.3 Classification of the final result

The final result of the candidate shall be based only on the CGPA earned by the candidate.

a) Successful candidates passing the examinations and earning CGPA between 9.5 and 10.0 shall be given Letter Grade (O+) and those who earned CGPA between 9.0 and 9.4 shall be given Letter Grade (O) and declared to have First Class –Exemplary\*.

- b) Successful candidates passing the examinations and earning CGPA between 7.5 and 7.9 shall be given Letter Grade (D), those who earned CGPA between 8.0 and 8.4 shall be given Letter Grade (D+) and those who earned CGPA between 8.5 and 8.9 shall be given Letter Grade (D++) and declared to have First Class with Distinction\*.
- c) Successful candidates passing the examinations and earning CGPA between 6.0 and 6.4 shall be given Letter Grade (A), those who earned CGPA between 6.5 and 6.9 shall be given Letter Grade (A+), and those who earned CGPA between 7.0 and 7.4 shall be given Letter Grade (A++) and declared to have First Class.
- d) Successful candidates passing the examinations and earning CGPA between 5.0 and 5.4 shall be given Letter Grade (B) and those who earned CGPA between 5.5 and 5.9 shall be given Letter Grade (B+) and declared to have passed in the Second Class.
- e) Successful candidates passing the examinations and earning CGPA between 4.0 and 4.4 shall be given Letter Grade (C) and those who earned CGPA between 4.5 and 4.9 shall be given Letter Grade (C+) and declared to have passed in the Third Class.
  - f) Absence from an examination shall not be taken as an attempt.

**Final Result** 

CGPA	Grade	Classification of Final Result
9.5 – 10.0 9.0 and above but below 9.5	O+	First Class – Exemplary*
8.5 and above but below 9.0 8.0 and above but below 8.5 7.5 and above but below 8.0	D++ D+ D	First Class with Distinction*
7.0 and above but below 7.5 6.5 and above but below 7.0 6.0 and above but below 6.5	A++ A+ A	First Class
5.5 and above but below 6.0 5.0 and above but below 5.5	B+ B	Second Class
4.5 and above but below 5.0 4.0 and above but below 4.5	C+ C	Third Class
0.0 and above but below 4.0	U	Re-appear

CGPA = Sum of the multiplication of grade points by the credits of the entire programme
Sum of the credits of the course for the entire Programme
Where 'Ci' is the Credit earned for Course i in any semester; 'Gi' is the Grade Point obtained by the
student for Course i and 'n' refers to the semester in which such courses were credited.
CGPA (Cumulative Grade Point Average) = Average Grade Point of all the Courses passed starting
from the first semester to the current semester.
Note: * The candidates who have passed in the first appearance and within the prescribed Semesters
of the UG Programme (Major, Allied, and Elective courses alone) are eligible for this classification.