

FACULTY OF VOCATIONAL STUDIES

SYLLABUS FOR

**M.Voc. (Animation and VFX)
(Semester – I, II, III & IV)**

**(Under Credit Based Continuous Evaluation Grading
System)**

Session: 2019-20



The Heritage Institution

**KANYA MAHA VIDYALAYA
JALANDHAR
(Autonomous)**

MASTER OF VOCATION(M.VOC.) PROGRAMME

Session 2019-20

PROGRAMME OUTCOMES: Students opting for M.Voc. Programmes on course completion/exit points will be able to:

PO1: get better job opportunities and can make informed choices due to enhanced employability and skill-set owing to Industrial exposure through internships/ training in the specific work area of choice.

PO2: understand, develop and observe work practices and ethics required to sustain and grow professionally in the industry concerned.

PO3: adapt to the work environment and are able to work on time-bound assignments/projects individually or within a team, for a company or as a freelancer.

PO4: apply knowledge acquired during the course to update w.r.t changing Industrial requirements and stay relevant to the job-at-hand.

Programme Specific Outcomes

Students opting for M.Voc. Programmes on course completion/ exit points will be able to:

PSO1. Understand the animated or live film making process different stages i.e. pre-production, Production and Post Production.

PSO2. Will be able to Implement the use of storyboarding, Screenplay, Foundation Art, in essential pre-production process to develop a film concept.

PSO3. Demonstrate & Implement the knowledge of principles of animation and of graphic design in 2d animation and in various aspects of 3D animation namely 3d modelling, texturing & Lighting, rigging & animation during the production phase.

PSO4. Will be able to implement the use of audio editing, video editing, and VFX in final Post –production.

PSO5. Capable of producing research and development-oriented portfolio of artwork that integrates the principles, techniques and skills acquired in the coursework (primarily Graphic design, 3d modelling, texturing & Lighting, rigging & animation and video editing).

Syllabus Scheme - M.Voc. (Animation and VFX) Sem I & II
Session 2019-20

Course code	Course Title	Course Type	Credits		Marks				Examination Time in Hours
			L-T-P	Total	Total	Ext.		CA	
						L	P		
MVAL-1111	Fundamentals of Design and Animation	C	4-0-0	4	50	40	-	10	3(Theory)
MVAM-1112	Foundation Course on Animation	C	2-0-2	4	50	25	15	10	3(Practical)
MVAM-1113	Basics of Photography	C	2-0-2	4	50	25	15	10	3(Theory) 3(Practical)
MVAP-1114	Introduction to 2D Animation	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-1115	Introduction to 3D Animation	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-1116	Graphic Designing –Advanced	S	0-0-4	4	100	-	80	20	3(Practical)
MVAD-1117	Minor Project – I	S	0-0-6	6	100	-	80	20	3(Practical)
	Total			30	550				

Course code	Course Title	Course Type	Credits		Marks				Examination Time in Hours
			L-T-P	Total	Total	Ext.		CA	
						L	P		
MVAL-2111	Project Management in Animation	C	4-0-0	4	50	40	-	10	3(Theory)
MVAM-2112	Workplace Health & Safety	C	2-0-2	4	50	25	15	10	3(Theory) 3(Practical)
MVAP-2113	Video Editing	C	0-0-4	4	50	-	40	10	3(Practical)
MVAP-2114	Storyboarding, Animatics & Screenplay	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-2115	2D Digital Animation –Advanced	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-2116	3D Modeling in Maya – Advanced	S	0-0-4	4	100	-	80	20	3(Practical)
MVAD-2117	Minor Project – II	S	0-0-6	6	100	-	80	20	3(Practical)
	Total			30	550				

Syllabus Scheme - M.Voc. (Animation and VFX) Sem III & IV
Session 2019-20

Course code	Course Title	Course Type	Credits		Marks				Examination Time in Hours
			L-T-P	Total	Total	Ext.		CA	
						L	P		
MVAM-3111	Experimenting & Research in Animation	C	3-0-1	4	50	25	15	10	3(Theory) 3(Practical)
MVAM-3112	Lighting, Texturing & Rendering	C	3-0-1	4	50	25	15	10	3(Theory) 3(Practical)
MVAM-3113	Acting for Animation	C	3-0-1	4	50	25	15	10	3(Theory) 3(Practical)
MVAP-3114	Motion Graphics	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-3115	3D Character Animation using Maya	S	0-0-4	4	100	-	80	20	3(Practical)
MVAP-3116	Visual Effects (VFX)	S	0-0-4	4	100	-	80	20	3(Practical)
MVAD-3117	Minor Project - III	S	0-0-6	6	100	-	80	20	3(Practical)
	Total			30	550				

Course code	Course Title	Course Type	Credits		Marks				Examination Time in Hours
			L-T-P	Total	Total	Ext.		CA	
						L	P		
MVAM-4111	Career Management	C	4-0-2	6	75	30	30	15	3(Theory) 3(Practical)
MVAL-4112	Digital Art Copyrights	C	6-0-0	6	75	60	-	15	3(Theory)
MVAP-4113	Portfolio	S	0-0-6	6	100	-	80	20	3(Practical)
MVAD-4114	Major Project	S	0-0-6	6	150	-	120	30	3(Practical)
MVAI-4115	Industrial Training	S	0-0-6	12	150	-	150	-	3(Practical)
				30	550				

SEMESTER I
COURSE CODE: MVAL-1111
Fundamentals of Design and Animation

Course Outcomes:

After passing this course the student will be able to:

CO1: Develop the fundamental understanding of CGI

CO2: Understand and apply various elements of design

CO3: Get an overview of animation techniques beginning from early Disney animation processes

CO4: Understand and implement the principles of animation in their artwork/animation.

SEMESTER I

COURSE CODE: MVAL-1111 Fundamentals of Design & Animation

L - T - P	Max. Marks: 50
4 - 0 - 0	Theory: 40
Time: 3 Hours	CA: 10

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit - I

Computer Graphics & its applications, Types of Graphics, Different Formats of Video & Images Its Use, Aspect ratio, Resolution (PPI, DPI), Pixel, Color Wheel

Unit - II

Visual Perception and Design - How do we SEE? [Seeing and observing]
Visual elements - Line and shape, Form, value, texture, color
Principles of Design.
Color and composition

Unit - III

History of Animation
Introduction to Animation movie process.
Different Types of Animation:
Traditional Animation - Cell Animation or hand drawn Animation
Stop Motion Animation – Puppet Animation, Clay Animation, Cut-out Animation, Silhouette Animation, Object Animation etc.
Computer Animation – 2D Animation, 3D Animation

Unit - IV

12 principles of animation (The basic rules of animation including Squash and stretch, Anticipation, Staging, Straight Ahead Action and Pose to Pose, Follow Through and Overlapping Action, Slow in and Slow Out, Arc, Secondary Action, Timing, Exaggeration, Solid drawing, Appeal.)

Suggested Readings:

Colin Ware, “Visual Thinking: for Design”, Morgan Kaufmann
Williams E. Richards, “The Animator's Survival Kit”, Faber 3rd Edition
Stephen Cavalier, “The World History of Animation”, Univ of California Pr

SEMESTER I
COURSE CODE: MVAM-111
Foundation Course on Animation

L - T - P	Max. Marks: 50
2 - 0 - 2	Theory:25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section

Unit I

Introduction with the tools for drawing

Drawing pencils: - (HB, B, 2B,4B, 6B,8B, 10B, 12B), Charcoal Pencil, Clutch Pencil.

Sheets: - cartridge, Hand Made, Ivory, Art Card, duplex, News Print, Mount board sheet etc.

Colors: - Poster color, Water Color, Pastel color, Pencil Color, waterproof ink.

Unit II

Object Drawing, Light & Shade:

Introduction to object drawing.

Introduction of light and shadow on objects and an assessment and representation of the impact of light on simple forms and objects. (Still Life Study)

Unit III

Perspective Drawing:

Perspective Drawing, one point, two-point & Three Point perspective. Perspective as applied to objects, furniture, interior and exteriors of the buildings.

Nature Study:

Drawing from Nature, Location drawing and learning to represent trees, plants, bushes, shrubs, insects, birds, and animals with attention to, proportion.

Unit IV

Human Drawing:

Introduction to human figure drawing –Drawings from Mannequin, quick Sketching of human figure Study of Ideal proportion of male and female figure with different ages, Focus on Head, Hand and Feet. Study of animal and birds with simple proportion.

Practical exercises to be implemented:

- Outdoor and indoor study human in action
- Study light and shade using still life,
- Different poses of human, animal and birds
- Perspective Study (One Point, Two Point & Three Point)
- Create Character Design with personality

Suggested Readings:

Bancroft Tom, "Creating Character with Personality", Watson-Guption

Victor Perard, "Anatomy and Drawing", Dover Publications

Hart Christopher, "Modern Cartooning: Essential Techniques for Drawing Today's Popular Cartoons", Watson-Guption

SEMESTER I
COURSE CODE: MVAM-1113
Basics of Photography

Course Outcomes:

CO1: After passing this course the student will be able to:

CO2: understand and differentiate different types of digital photography

CO3: utilize various camera settings to the best as per requirement of the shot

CO4: understand various angles and shot depending on their relevance

SEMESTER I
COURSE CODE: MVAM-1113
Basics of Photography

L - T - P	Max. Marks: 50
2 - 0 - 2	Theory:25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit - I

Introduction to photography, Meaning of Photography and its applications
Types of Photography: Product Photography, Nature Photography, Event Photography, Travel Photography, Sport photography
Different types of Color profiles (Natural, Portrait, Landscape etc.)

Unit - II

Camera Lens and its Types,
Element of Exposure (Aperture, Shutter Speed, Depth of Field, ISO)
Composition: Rule of Thirds, Head room, Frame within a frame, Symmetry
Photography golden hours

Unit - III

Image editing: Image editing through image editing software like Adobe Photoshop – Adjustment of Brightness, Contrast, Tonal and Colour Values – Experimenting with Level and Curve.
Digital Retouching & Image Enhancement
Image size, Resolution, Selection tools. Retouching tools, Layers & Incorporation of text into picture.

Unit - IV

Photo Manipulation: Applying Different effects and filters
Three Point Lighting

Note for the Practical Examiner:

- a) Practical Exam is based on the syllabus covered in the subject.
- b) The question paper will be set on the spot by the examiner.

Suggested Readings:

How to Create Stunning Digital Photography, “How to Create Stunning Digital Photography”, Mason Press
Al Judge, “Mastering Aperture, Shutter Speed, ISO and Exposure”, Subtle Visions Media
Bryan Peterson, “Understanding Exposure”, Amphoto Books

SEMESTER I
COURSE CODE: MVAP-1114
Introduction to 2D Animation

Course Outcomes:

After passing this course the student will be able to:

CO1: understand the interface, basic tools, navigation and drawing basic shapes in Adobe Flash

CO2: work on a 2D platform using basic techniques.

CO3: understand the production pipeline of 2d better by hands-on and practice

CO4: apply different animation techniques/ animation principles learned so far in the course.

SEMESTER I
COURSE CODE: MVAP-1114
Introduction to 2D Animation

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical Exercises to be implemented:

1. Background Design
2. 2d Character Design
3. A Simple Scene of a Sunrise (with background and the environment)
4. A moving car scene on a road (with background)
5. A text animation using Mask
6. Animating a butterfly moving along a guide.
7. Bouncing Ball in place
8. Bouncing ball across the scene
9. Flag Animation
10. Pendulum Animation

Syllabus to be covered for the practical:

Introduction to Adobe Flash, Basics of Animation in Flash, Workspace overview, Using the Stage and Tools Panel, understanding timeline tools and their usage, Property panel- Library panel, colour panel, Understanding layers, Methods of Animation.

Technical Animation creation: Drawing in Flash - choosing colours, choosing line style, designing and alignment of elements, drawing panels - Time-line animation, Frame-by -frame Animation, Tweening, using symbols, adding sounds. Working with projects - Importing artwork into Flash.

Suggested Readings:

Adobe Creative Team, "Adobe Flash Professional CS6 Classroom in a Book", Adobe
Georgenes Chris, "How to Cheat in Adobe Flash CC: The Art of Design and Animation", Focal Press

SEMESTER I
COURSE CODE: MVAP-1115
Introduction to 3D Animation

Course Outcomes:

After passing this course the student will be able to:

CO1: understand the interface, basic tools and navigation

CO2: work in 3D environment

CO3: use the timeline & basic animation tools

SEMESTER I
COURSE CODE: MVAP-1115
Introduction to 3D Animation

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical exercises to be implemented:

1. Model a ceiling fan
2. Animating a ceiling fan
3. Animating a door opening
4. Model a toy car
5. A moving toy car with wheel rotation
6. A ball rolling down from a flat surface
7. A ball hits a brick making it fall
8. Bouncing Ball in place
9. Bouncing ball across the scene
10. A Brick falling from a shelf to the ground

Syllabus to be covered for the practical:

Overview of 3D Production Pipeline, understanding a 3D environment.

Creating a Project in Maya, about Project Settings

Saving Files and File Types: about .ma and .mb file types.

Understanding and exploring Maya Interface, creating basic primitive objects, Using Basic Selection & Transformation tools: Select(Q), Move (W), Rotate(E), Scale(R)

Viewports, Orthographic and Perspective Views.

Timeline: Framerate, Keyframes, Channel Box, Playblast, Working with Graph Editor.

Suggested Readings:

Darakshani Dariush, "Introduction to Autodesk Maya 2015". Autodesk

Palamar Todd, "Mastering Autodesk Maya 2016". Wiley

SEMESTER I
COURSE CODE: MVAP-1116
Graphic Designing- Advanced

Course Outcomes:

After passing this course the student will be able to:

CO1: Apply their understanding of design elements and its principles on practical exercises

CO2: Apply various types of image manipulation techniques

CO3: Work on real-time projects like designing of banners, brochures, matte paintings, movie posters
applying fundamentals of graphic designing

SEMESTER I
COURSE CODE: MVAP-1116
Graphic Designing- Advanced

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical exercises to be implemented:

1. Print Design: Visiting Card, Letter Head,
2. Calendar for an Animation Studio/Office.
3. Magazine Advertisement,
4. Newspaper ad full page and half page and quarter page.
5. Poster Design: Poster for an Animation Movie.
6. A Digital Painting, A background Design or a character design.
7. Web Banners
8. Book Cover Design

Syllabus to be covered for the practical:

Unit I

- **What is Graphic Designing?**
- **What is the role of Graphic Designing?**

Principles of Design: Understanding the most essential aspect of design, Unity, to achieve through different principles like, Balance, alignment, Emphasis, Proportion. Movement, Repetition, Contrast.

Introduction to Photoshop & its Tools

Bitmap and Vector Images and the difference between them, Image Resolution and Size, Understanding different type of Modes like RGB, CMYK, Bitmap etc.

Understanding Adobe Photoshop Interface, Creating, Saving and Opening documents, Using Workspace and Toolbars, Utilizing Grids and Guides, Using basic navigation tools. Adding Annotations and Setting up preferences.

Unit II

Basic Image Manipulation:

Introduction to Camera raw. Basic Image Editing, Using Marquee and selection Tools, Shapes, Using Pen tool, Using Image editing options like Hue Saturation, Levels, Curves, etc. Tools shortcuts, Brush Tool, Using Color Picker, Background Eraser Tool, Art History and using Advance brush parameters, Creating and saving Brush preset and Pattern. Understanding layers and its properties.

Unit III

Effects and Tools: Using filters, Liquefy, vanishing point, Clipping Mask, Clone tool, Spot healing tool, Patch tool, using Crop and gradient tool, content aware tool, refine edges. Layer Styles, Blending modes, Gif animation.

Unit IV

Tools & Palettes: Text Basics, Understanding Type parameters, Editing text, type selection, character palette and paragraph palette, Type on a path. Text Wrap and adding effects to text, Using transformation properties. Using Action palette & Create action set, what is a Smart Object, Non-Destructive Transformations with a Smart object,

Common applications of Graphic design

Identity (logos and branding), Publications (magazines, newspapers and books), Print advertisements, posters, Website graphics and elements, signs and product packaging,

Suggested Readings:

Alex W. White, "The Elements of Graphic Design", Allworth Press

Adrian Shaughnessy, "How to Be a Graphic Designer without Losing Your Soul", Princeton Architectural Press

David Sherwin, "Creative Workshop: 80 Challenges to Sharpen Your Design Skills", HOW Books

Ellen Lupton, "Thinking with Type", Princeton Architectural Press

Danae Lisa, "Adobe Photoshop CC Bible", Wiley

Faulkner Andrew, "Adobe Photoshop CC Classroom in a Book", Pearson Education

<https://www.youtube.com/watch?v=ZK86XQ1iFVs>

SEMESTER I
COURSE CODE: MVAD-1117
Minor Project – I

Course Outcomes:

The students through their project will be able to:

CO1: Apply the various tools and techniques learned in the course.

CO2: Understand the life cycle of the project and the various stages that leads to the final outcome.

CO3: Will learn to interact and communicate and work in a team.

SEMESTER I
COURSE CODE: MVAD-1117
Minor Project – I

L - T - P	Max. Marks: 100
0 - 0 - 6	Practical: 80
Time: 3 Hours	CA: 20

1. The students will work on a Graphic Designing/ a basic Animation project in their own identified area of interest.
2. The students project will be evaluated on the following Criteria:
 - a) Technical Quality
 - b) Creative Quality
 - c) Appeal to the Target Audience
 - d) Success in conveying message right.
3. The marks will be given on the basis of the submission of the project and viva-voce.

SEMESTER II
COURSE CODE: MVAL-2111
Project Management in Animation

Course Outcomes:

On the successful completion of the course students will be able to:

CO1: the various stages of project starting from planning, through production and finally to post production.

CO2: learn managing a project observing timeframe/deadlines of various deliverables.

CO3: know how various project management tools help to manage projects effectively.

SEMESTER II
COURSE CODE: MVAM-2112
Project Management in Animation

L - T - P	Max. Marks: 50
4 - 0 - 0	Theory: 40
Time: 3 Hours	CA: 10

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit – I

Project Management in Animation: Overview and need, Prerequisites and deliverables.
Introduction to Animation process: The production process from script to screen, popular forms of animation, delivery mechanisms, Designing the process

Unit – II

Scheduling: Understanding project requirements, breaking it down, planning for deadlines, resource management, budget allocation.

Task lists: Creating and using Task lists at various phases of an Animation project

Unit – III

Data management: Recording, Tracking, Transfer, tools, Asset management and Handling.

Communication: Modes

Monitoring projects: using Gantt Charts to monitor the project progress and milestones

Introduction to various Project Management tools

Unit – IV

Delivery Process: The Client Specifications, Delivery checklists, packaging, paperwork and delivery of project

Opinions: Artists viewpoint, Client perspective, Client Relations, Cost Control, Training.

Suggested Readings:

Ranjit Singh, “The Art of Animation Production Management “, Macmillan Publishers
Catherine Winder, Zahra Dowlatabadi, “Producing Animation”, Routledge; 2 edition

SEMESTER II
COURSE CODE: MVAM-2112
Workplace Health & Safety

Course Outcomes:

On the successful completion of the course students will be able to:

CO1: understand various workplace-related hazards, emergency situations

CO2: understand and observe safety guidelines

CO3: will learn to know the types, symptoms and ways to handle medical conditions

SEMESTER II
COURSE CODE: MVAM-2112
Workplace Health & Safety

L - T - P	Max. Marks: 50
2 - 0 - 2	Theory: 25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit I

Importance of High Standards of Health and Safety at workplace
Identification of health and Safety hazards
Identification of people responsible for health and safety and mechanisms to reach out to them

Unit II

Ensuring the success of safety and health management system: monitoring, reporting various incidents and revision of plan.

Types of emergencies, Emergency plans, Evacuation and other emergency procedures in case of fire, flood, earthquake etc.

Unit III

Fire safety in the workplace, Different types of fire extinguishers, classification and usage

Medical assistance in case of health, symptoms and first aid for different medical conditions like cardiac failure, choking, unconsciousness etc.

Unit IV

Safety guidelines of System/equipment and machines, various safety symbols: meaning and importance.

Governmental norms and regulations regarding Health and Safety at workplace

Practical Exercises:

1. Identification of the different types of Fire extinguishers
2. A demonstration on using Fire extinguisher in case of any emergency.

Suggested Readings:

Schneid D. Thomas, "Workplace Safety and Health: Assessing Current Practices and Promoting Change in the Profession (Occupational Safety & Health Guide Series)", CRC Press; 1 Edition
Gupta A.K, "Industrial Safety and Environment Paperback", Laxmi Publications; Second edition

SEMESTER II
COURSE CODE: MVAP-2113
Video Editing

Course Outcomes:

After passing this course the student will be able to:

- CO1: Know about editing basics, tools and video production process
- CO2: Get Knowledge of working with footages in an editing software.
- CO3: Learn different types of editing techniques
- CO4: Edit a short film or music videos.

SEMESTER II
COURSE CODE: MVAP-2113
Video Editing

L - T - P	Max. Marks: 50
0 - 0 - 4	Practical: 40
Time: 3 Hours	CA: 10

Exercises to be implemented (Practical)

1. Slideshow of images
2. Synchronize text with audio
3. Create news ticker (lower third)
4. Mash up
5. Create a video includes shots from different angles
6. Create a one-minute short film

Syllabus to be covered:

Unit - I

Introduction to Editing: Introduction to video Editing. Develop an understanding of the digital video production process: pre-production, shooting, editing, and post-production. Understanding importance of editing in the flow of a narrative. Pace and Rhythm in editing. Linear and Non-Linear Film Editing.

Introduction to Editing Tool: Premiere Pro Working with interface. Importing supported files and saving project. Understanding tools and palettes, timeline and project panel. Previewing footages. Managing footages. Use of timeline, source monitor, project monitor, project panel, sequence, Different types of tools effects & transitions in Premiere Pro.

Unit - II

Working with footages

Setting up project, removing frames, naming, finding and deleting footages, learning file size limitations, using markers, In-out points, scaling clips, creating black video, adding transitions. Changing and replacing transitions. Adding Key, Time remapping, video formats and resolutions.

Editing mode, Timeline, changing Frame size, Aspect Ratio, Fields, Audio sample rate, File format, Codec, Export, Multi cam Editing, Color Correction and Grading

Unit - III

Understanding uses of different types CUTs (Matched action, after action, before action, foreground wipe, look off, Dialogue referent, reaction, thought referent, visual linkage, Dialogue overlap, Audio linkage, loud sound)

Unit - IV

Different types of video editing techniques (Crane shot, establishing shot, Frantic zoom, Steadicam long take, Mirror shot, zoom-out, point of view, Crane shot spin, Time lapse, Pan, Slow motion, Low angle shot, special effect (VFX), 180-degree rule

Suggested Readings:

1. Adobe "Adobe Premiere Pro CC Classroom in a Book", Pearson Education India

SEMESTER II
COURSE CODE: MVAM-2114
Storyboarding, Animatics & Screenplay

Course Outcomes:

After passing this course the student will be able to:

CO1: know about importance of different styles of storyboard

CO2: Know about Story, script and storyboard and its importance in film.

CO3: Get knowledge of all elements of a film

CO4: Write a screenplay.

SEMESTER II
COURSE CODE: MVAM-2114
Storyboarding, Animatics & Screenplay

L - T - P	Max. Marks: 100
4 - 0 - 4	Theory: 40 Practical: 40
Time: 3 Hours	CA: 20

Instructions for Paper Setter -

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit - I

Introduction to Storyboarding

Introduction to Storyboard, different styles of storyboard, difference between storyboard and animatic. Advantages of Storyboard in Animation and Anatomy of a Storyboard. Advantages of an Animatic

Unit - II

Introduction to various shots, Camera angles and used in Storyboard panels. Continuity and Timing, Building a sequence of shots. Use of Perspective, Light & Shadow in Storyboarding.

Unit – III

Camera movements: -Pan, Tilt, Dolly/Track, Zoom in Zoom out, Whip Pan

Unit – IV

Screenplay: Introduction, Script, Three Act Structure, Act One, Act Two, Act Three, Writing Synopsis (Treatment), Dialogue.

Basic guidelines for writing a screenplay

Practical Exercises to be implemented:

- Story creation
- Convert story to screenplay using three act structure
- Story-board creation or animatic creation

Suggested Readings:

Hart John “The Art of StoryBoard”, Focal Press.

Simon A Mark “Storyboards: Motion in Art”, Focal Press.

Field Syd “Screenplay: The Foundations of Screenwriting”, RHUS; Revised ed. edition

Vinod Chopra Films “3 Idiots: The Original Screenplay”, Om Books

SEMESTER II
COURSE CODE: MVAM-2115
2D Digital Animation - Advanced

Course Outcomes:

On the successful completion of the course students will be able to:

CO1: understand the usage of timeline, setting frame rate, keyframing the concepts fundamental to 2D Animation process

CO2: design a character ready to animate

CO3: animate the character with life like expression and emotions

SEMESTER II
COURSE CODE: MVAP-2115
2D Digital Animation - Advanced

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical exercises to be implemented:

1. Demonstrate various expressions on a character/Cartoon
2. Create a Cartoon character using symbols as building blocks
3. Create a Character(realistic/cartoon) with personality
4. Create and Animate armatures
5. Animate a walk cycle
6. Create character using symbols
7. Lip syncing a dialogue

Syllabus to be covered for the practical:

Unit – I

An introduction of the various drawing and painting tools in Adobe Flash and their uses and procedures. Working with the Flash timeline. Differentiating between key frames and regular frames. Frame-by-frame animation. Setting the frame rate.

Shape Tween, Motion Tween and Symbols: "Morphing" objects by means of shape tweening, using shape hints, Shape-tweening text, using shape tweens for mouth movement, Fixing broken tweens. Creating symbols and organizing them in the Library. Modifying symbols. Tweening an instance's appearance and location on the stage. Using motion guides. Putting animation inside symbols.

Unit - II

Bitmaps, Masks, Text and Special Effects: Importing and modifying photos and bitmapped images. Dealing with image compression. Working with transparent backgrounds. Auto-tracing. Creating masks. Animating masks and masked objects. Applying a mask to multiple objects. Formatting and editing text. Using blending modes. Applying filters to movie clip instances. Tweening filters.

Unit - III

Character Design: Designing cartoon characters that are simple, expressive, and easy to animate, Using symbols as building blocks for character construction. Jointing limbs Using frame-by-frame animation and motion tweens to give lifelike movement to characters. Using the Bone and Bind tools to create realistically joined characters. Creating and animating armatures, Animating a Walk cycle.

Unit - IV

Sound, Layout and Final Production: Importing sound files. Cutting and synchronizing sound with timeline animation. Lip-syncing to dialogue, Scene layout procedures and proper scene set up in preparation of final production.

Suggested Readings:

Adobe Creative Team, "Adobe Flash Professional CS6 Classroom in a Book", Adobe
Georgenes Chris, "How to Cheat in Adobe Flash CC: The Art of Design and Animation",
Focal Press

SEMESTER II
COURSE CODE: MVAP-2116
3D Modeling in Maya- Advanced

Course Outcomes:

On the successful completion of the course students will be able to:

CO1: apply various 3D modelling techniques for Surface modelling, Nurbs modelling, polygon modeling

CO2: create a 3D model of an interior or exterior

CO3: model a 3D character with blend shapes

SEMESTER II
COURSE CODE: MVAP-2116
3D Modeling in Maya- Advanced

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical exercises to be implemented:

1. A 3d character model with blend shapes
2. Any two-inorganic models
3. Interior or Exterior model

Syllabus to be covered for the practical:

Unit – I

Surface Modeling:

NURBS Primitives, Using Curves, CV Curve tool, EP Curve Tool, Bezier Curve Tool, Arc Tools, Attaching and Detaching Curves, Open/Close Curves, Insert Knot, Extending Curves, Rebuild Curves, Surface objects, Revolve, Loft, Planar, Extrude, Bi rail, Boundary, Bevel and Bevel Plus, Attaching and Detaching Surfaces, Sculpt Geometry Tool, NURBS Modeling - NURBS Product Model.

Unit - II

Polygon Modeling:

Polygon Primitives, Combine, Separate and Extracting functions, Extrude, Bridge, Append Polygon Tool, Inserting Edge loops, merging vertices, Bevel function, Crease tool, Split Polygon Tool, Create Polygon tool.

Unit - III

Creating and understanding topology of inorganic models like Chair, Table, Shelf, PC etc., Creating Complex Objects like Gun, Vehicle etc. Resolving mesh, Manipulating triangular polygon to quad polygon. Smoothing Polygon surface, Combining and Merging Separate Geometries, Grouping and Ungrouping objects

Unit - IV

Cartoon Character Modeling:

Using Image Planes, setting up Images, Maya Display layers, Freezing Reference Images, Modeling Blocking Mesh using Maya Primitives, working with topology, Modeling Torso, Legs, Arm, Hand, Face, Creating Clothing and Props mesh, Using Sculpt Geometry tool, Mirroring Geometry, Creating Blend Shapes.

Suggested Readings:

Kelly Murdoch, "Autodesk Maya 2018 Basics Guide", SDC Publications

Prof Sham Tickoo, "Autodesk Maya 2018: A Comprehensive Guide", Cadcim Technologies

Chris Legaspi, "Anatomy for 3D Artists: The Essential Guide for CG Professionals", 3dtotal Publishing

Kelly Murdoch, "Autodesk Maya 2018 Basics Guide", SDC Publications

SEMESTER II COURSE

CODE: MVAD-2117

Minor Project - II

Course Outcomes:

On the successful completion of the course students will be able to:

CO1: learn the application of principles of animation while working on a 2D project

CO2: have first-hand experience of the lifecycle of a project and the various stages of production

CO3: develop a short 2D animation clip (minimum 750 frames)

SEMESTER II COURSE

CODE: MVAD-2117

Minor Project - II

L - T - P	Max. Marks: 100
0 - 0 - 6	Practical: 80
Time: 3 Hours	CA: 20

1. The students will work on a 2D Animation project in their own identified area of interest.
2. The students project will be evaluated on the following Criteria:
 - a) Technical Quality
 - b) Creative Quality
 - c) Appeal to the Target Audience
 - d) Success in conveying message right.
3. In the minor project the students need to apply the various principles of animation and techniques learned in the first two semesters to develop a short 2D animation clip (minimum 750 frames) on any topic of choice.
4. The marks will be given on the basis of the submission of the project and viva-voce.

SEMESTER III
COURSE CODE: MVAM-3111
Experimenting & Research in Animation

Course Outcomes:

On completion of this course, the students will:

CO1: know the types and methodologies used in research

CO2: be able to cite and reference using popular methods

CO3: have know-how of copyrights, IPRs and plagiarism and concerned provisions

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SEMESTER III
COURSE CODE: MVAM-3111
Experimenting & Research in Animation

L - T - P	Max. Marks: 50
3 - 0 - 1	Theory: 25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter –

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit - I

Introduction to Research & documentation:

Research in animation: Definition and importance, types of research, characteristics and the process

Unit -II

Data Collection and Analysis:

Collection of data and its methods, Sampling methods, Data analysis and processing, Types of research data: text, graphics, videos etc.

Unit -III

Citation methods and Referencing systems:

Referencing and Citation: Different methods like Harvard, Owl etc., Citation manuals
Bibliography, footnotes

Unit -IV

Copyrights, IPR and patents, Different aspects of IPR, Acknowledgement for references,
Plagiarism

Suggested Readings:

Research Methodology: A Step-by-Step Guide for Beginners (Third Edition), Author: Ranjit Kumar, Pub: Sage Publication Ltd.

Research Methodology: Methods and Techniques second edition, Author: C.R Kathori, Pub: New Age International Publishers.

SEMESTER III
COURSE CODE: MVAM-3112
Lighting, Texturing & Rendering

Course Outcomes:

On completion of this course, the students will:

CO1: get to know about the different shading, properties and application.

CO2: be able to apply lighting in interior and exterior scenes.

CO3: be able to learn and apply 3D rendering process.

SEMESTER III
COURSE CODE: MVAM-3112
Lighting, Texturing & Rendering

L - T - P	Max. Marks: 50
3 - 0 - 1	Theory: 25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter –

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit - I

UV Mapping and Texturing

Unfolding Mesh, Cleaning and Adjustment of UV Layout, Exporting UV Map with different file format, Introduction to Hyper shade, Maya Material Lambert, Phong, Blinn, Phong E, Anisotropic Material, Surface Shader, Use Background, understanding 2D textures- Cloth, Applying Ramps, Bitmap, Working with Photoshop for Texture Painting, Difference between Bump map and Normal Map.

Unit - II

Maya lighting:

Lighting, Color and Composition, different Maya lights Point Light, Spotlight, Directional Light, Area Light, Ambient Light and its uses in specific areas. Depth map shadows, Raytraced shadows, creating soft shadows with spotlights, creating glass using refraction.

Unit - III

Mental Ray Lights:

Physical sun and sky, applying physical light shaders, applying image-based lighting, Photometric lens shader.

Unit - IV

Rendering:

Render Setup- Choosing a Filename, Image Format, Frame Range, Camera, Setting Resolution, Selecting a Render Engine, Render Quality, Render View Window- Saving/Loading an Image, Keeping/Removing Image, Interactive Photorealistic Rendering(IPR) Render, Render Engine Introduction- Maya Software, Maya Hardware, Maya Vector and Mental Ray, Mental Ray Settings, Global Illumination, Image Based Lighting, Mental Render Layers, Render Layer, Render Passes- Ambient Occlusion Pass, Creating Reflection, Specular, Depth, and Shadow Passes, Batch Rendering.

Practical Exercises:

Texture a 3D Cartoon character

Create a night scene using Maya and mental ray lights

Render any 3D product using different Render engine

Suggested Readings:

Todd Palamar, "Mastering Autodesk Maya 2016". Wiley

Darakhshani Dariush, "Introduction to Autodesk Maya 2015". Autodesk

SEMESTER III
COURSE CODE: MVAM-3113
Acting for Animation

Course Outcomes:

On completion of this course, the students will:

CO1: to understand the various aesthetics of acting to animating characters

CO2: learn to observe human actions and expressions.

CO3: be able to draw parallels in human acting and animation to make it real and impactful.

SEMESTER III
COURSE CODE: MVAM-3113
Acting for Animation

L - T - P	Max. Marks: 50
3 - 0 - 1	Theory: 25 Practical: 15
Time: 3 Hours	CA: 10

Instructions for Paper Setter –

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit I

Essential of Acting Concepts:

ACTING Understanding RASA (aesthetics), Basic Performance skills, physical preparation

Voice, speech & music, timing

Why Observation is important for animation

Unit II

Exercises that focus on breathing, humming, pitch, volume and singing

Improvisation & acting

Through improvisation, both silent and word-oriented, learning to see, hear, believe, react, observe and concentrate.

Unit III

Facial expressions & Lip synchronization:

How to use Character's body, voice and imagination?

How to be aware of Character's body, facial expressions and to concentrate on its rhythm, enter space and loosen their limbs

Unit IV

Acquiring acting skills through sessions focused on an understanding of the self.

Mimicking & Voice Modulation

Fundamentals of Cinematography – Camera Angles, Lighting & creating mood, Shots.

Practical Submission: -

Animation with dialogue & expressions (minimum 500 frames) Using Adobe Flash or Maya

Suggested Readings:

Acting for Animators – Ed Hooks Publisher: Heinemann Drama; Revised edition

The artist's complete guide to facial expressions – Gary Gaigin Publisher: Watson-Guptill

SEMESTER III
COURSE CODE: MVAP-3114
Motion Graphics

Course Outcomes:

On completion of this course, the students will:

CO1: learn the basics (composition, settings etc.) of motion graphics

CO2: be able to create compelling motion graphics using various effects

CO3: be able use motion graphics depending upon the field of application

SEMESTER III
COURSE CODE: MVAP-3114
Motion Graphics

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical Exercises:

Creating an Image Slide show
Create any commercial Advertisement for social media.
Cinematic Title Animation with sound
Creating a text Animation with following the path
Shatter effect.

Syllabus to be covered for practical:

Unit I

Introduction to After effects, frame rate, Composition and settings, layers, Key-framing and Transform, Workflow, Exporting and File Formats, Masks, Layer Modes, Basic Effects

Unit II

Understanding Animation basics in after effects, Types of keys, Introduction to graph editor, Layer Properties, 3D Layers, adjustment layer, shy layer & Null, Nesting, Pre-composing, Non-destructive Workflow

Unit III

Color Correction in After Effects, Manipulating Footage, , Introduction to tracking (2D and 3D Tracking, Feature Tracking, Four Point Tracking), Text & Title effect, introduction to 3rd party plugins.

Unit IV

Rendering: Fundamentals of rendering and exporting, Using Render Queue. Exporting still images and sequences, Learning output formats.

Suggested Readings:

Adobe “Adobe After Effects CC Classroom in a Book”, Pearson Education India
Perkins Chad, “How to Cheat in After Effects”, Focal Press

SEMESTER III
COURSE CODE: MVAP-3115
3D Character Animation using Maya

Course Outcomes:

On completion of this course, the students will:

CO1: learn to generate 3D Animation following various principles of animation

CO2: learn to animate characters realistically depicting expressions and emotions

CO3: be able to create and animate a dialogue scene.

SEMESTER III
COURSE CODE: MVAP-3115
3D Character Animation using Maya

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical Exercises:

Bouncing ball Animation
Different posing character
Blocking Animation
Walk cycle
Run cycle
Facial Expression Animation
Lips synchronisation with audio

Syllabus to be covered for the practical:

Unit -I

Maya Timeline, frame rate, Manual key & Auto Key, Animation Graph editor, play blast, Principles of Animation in MAYA, Posing, Create a Walk cycle,

Unit -II

Creating an interaction between two characters, Creating and Animating grappling hook, Creating Anatomy of expression for facial Animation, Facial expressions' animation

Unit -III

Creating and Animating realistic eyes, Basics of Facial Expressions with different Emotions, Understanding the Gestures and Postures. Understanding the importance of acting in animation,

Unit -IV

Body Language, Pulling, pushing and lifting objects. Creating and Animating a dialogue scene, Incorporate music / audio assets to a character

Suggested Readings:

Williams E. Richards, "The Animator's Survival Kit", Faber 3rd edition.
Roy Kenny, "How to Cheat in Maya 2014: Tools and Techniques for Character Animation", Focal Press
Rodriguez David, "Animation Methods", CreateSpace Independent Publishing Platform

SEMESTER III
COURSE CODE: MVAP-3116
Visual Effects (VFX)

Course Outcomes:

On completion of this course, the students will:

CO1: learn to use various compositing techniques, effects and tools to generate Visual effects

CO2: learn to apply dynamic simulation i.e. fire, dust, rain etc.

CO3: be able to demonstrate their work confidently with After Effects/3D Maya software

SEMESTER III
COURSE CODE: MVAP-3116
Visual Effects (VFX)

L - T - P	Max. Marks: 100
0 - 0 - 4	Practical: 80
Time: 3 Hours	CA: 20

Practical Exercises:

Green screen effect and compositing

3D Text Animation

Day to Night Conversion

Rain scene

Creating a scene 2D & 3D Tracking

Syllabus to be covered for the practical:

Unit -I

Working with footages: Setting up project, removing frames, naming, finding and deleting footages, learning file size limitations. Changing and replacing transitions.

Compositing: Alpha Channel, Using Blending modes, Blur and Sharpen, Creating, saving and back up of projects, modes and switches. Mask and transparent layers. Pre-compositing. Using color depth and HDR colors. Color correction and color adjustment. Using layer markers, composition. Using 3D layers and understanding co-ordinate system in Adobe After Effects. Light Layer, Null Layer and Adjustment Layer.

Unit -II

Effects and Tools: Text effects, Blur and Sharpen effects. Essentials of Chroma and keying. Concept of Garbage matte. Using hold-out matte. Using plug-in effects like CC Snow, CC Rain, CC Blur effects etc. Learning Tracking fundamentals, using trackers and stabilizing footages. Using four corner pins to track, using pen tool to draw custom shapes and masks. Text tool. Eraser, Puppet Pin and 3D camera

Unit -III

3D for VFX: Dynamics Simulation (fire, dust, smoke, blast, Natural Phenomena like rain, Lightning, Volcano etc),

Unit -IV

Maya Particles: Different types of Emitters and their working, particle collision, colouring particles, animation using per particle attribute, functioning of instance with examples, goal weights, use of particle fields, creating pyro techniques, sparks, bullet trails, fire using particles & Compositing.

Practical Exercises:

Green screen effect and compositing

3D Text Animation

Day to Night Conversion

Rain scene

Creating a scene 2D & 3D Tracking

Suggested Readings:

Lisa Fridsma, “Adobe After Effects CC Classroom in a Book”, Adobe

Eran Dinur, The Filmmaker’s Guide to Visual Effects: The Art and Techniques of VFX for Directors, Producers, Editors and Cinematographers

SEMESTER III
COURSE CODE: MVAD-3117
Minor Project - III

Course Outcomes:

On successful completion of this course the student will be able to:

CO1: apply various tools and techniques studied during the course on a practical usage

CO2: will get experience of specific requirements and outcome of different stages of any 2D/3D project

CO3: get to know how to tailor the project as per the target audience and make it more realistic and relevant

SEMESTER III
COURSE CODE: MVAD-3117
Minor Project - III

L - T - P	Max. Marks: 100
0 - 0 - 6	Practical: 80
Time: 3 Hours	CA: 20

During Semester-III, the students need to submit an animation project prepared using techniques and tools taught during the course (Adobe Photoshop, Adobe Flash, Adobe Premiere, Autodesk Maya and Adobe After effects).

Following points should be taken care of while working on project:

1. Students can choose themselves the subject matter and scenes
2. Minimum of 1000 frames
3. Use at least two different software
4. Effective use of cameras, focus on viewers' attention
5. Project report showcasing the stages of the project

SEMESTER IV
COURSE CODE: MVAM-4111
Career Management

Course Outcomes:

On completion of this course, the students will:

CO1: learn formal/informal ways of communication and presentation

CO2: learn to make creative use of skills like digital resume/ motion graphics to advantage

CO3: learn to use various platforms available to increase visibility and opportunities

SEMESTER IV
COURSE CODE: MVAM-4111
Career Management

L - T - P	Max. Marks: 75
4 - 0 - 2	Theory: 30 Practical: 30
Time: 3 Hours	CA: 15

Instructions for Paper Setter –

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit I

Career opportunities in Animation:

Exploring different opportunities in Animation, A list of local, national, and international studios Existing studios and Industries which require animation

Formal Communication: Etiquettes of Public speaking, Business meetings, Telephonic communication, Email etiquettes.

Unit II

Informal Communication: Introduction, expressing gratitude, expressing regret, Apologize, Resolving conflicts.

Presentation Skills: Preparing presentation, making presentation meaningful and engaging, making effective use of the visual aid, interacting with audiences, dealing with queries from the audiences.

Unit III

Creative use of Animation: Prepare a Digital resume, prepare a Motion graphic resume

Preparing for Interviews: Key factors for being successful in an interview, body language, confidence, subject expertise

Awareness of various platform for enhancing skills and professional growth

Creating Account on websites like animation express, bloggers.com, freelance.com, upwork.com for project work

Unit IV

Lifecycle of the project to be developed as a freelancer

Creating and maintaining account on professional networks like LinkedIn for career growth opportunities

Suggested Readings:

Chaturvedi PD, Chaturvedi Mukesh,” Business Communication: Skills, Concepts, and Applications”, Pearson Education India

Robin Ryan, “60 Seconds and You're Hired! Revised Edition”, Penguin Books

Joan van Emden, Lucinda Becker, “Presentation Skills for Students”, Palgrave

David Barron, “Resume: The Definitive Guide on Writing a Professional Resume to Land You Your Dream Job”, CreateSpace Independent Publishing Platform

Angela Rose (Author), “Linkedin in 30 Minutes (2nd Edition): How to Create a Rock-Solid Linkedin Profile and Build Connections That Matter”, I30 Media Corporation; 2nd edition

SEMESTER IV
COURSE CODE: MVAM-4112
Digital Art Copyrights

Course Outcomes:

On completion of this course, the students will:

CO1: become aware of various copyright laws applicable to digital Art

CO2: get to know how to protect their own creations

SEMESTER IV
COURSE CODE: MVAM-4112
Digital Art Copyrights

L - T - P	Max. Marks: 75
6 - 0 - 0	Theory: 60
Time: 3 Hours	CA: 15

Instructions for Paper Setter –

Eight questions of equal marks are to set, two in each of the four sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be divided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any section.

Unit I

Copyrights: Introduction, Definition, rationale of copyright protection, classes of Copyrights protection available in India, Different types of work (artistic, music, Cinematography etc),

Unit II

Authorship and Ownership: Whose rights are protected by Copyright, who has rights on artistic, dramatic and musical work, sound recording, rights of adaptation, rights of communication to public, performers rights, broadcaster rights, moral rights

Unit III

Registration of Copyright: Guideline of copyright act, Procedure, Term of Copyright, Administration of Copyright law, Collective administration of copyrights

Unit IV

Copyrights infringements: Common types of copyright infringements, legal remedies

Suggested Readings:

A Handbook of Copyright law, Govt of India, MHRD, Dept of Secondary and Higher Education

SEMESTER IV
COURSE CODE: MVAP-4113
Portfolio

Course Outcomes:

On completion of this course, the students will:

CO1: be able to create their portfolio showcasing their skills gained during the course

CO2: learn to make portfolio creative using skills in designing/animation

SEMESTER IV
COURSE CODE: MVAP-4113
Portfolio

L - T - P	Max. Marks: 100
0 - 0 - 6	Practical: 80
Time: 3 Hours	CA: 20

Note: The marks will be awarded to the student on the basis of the following criteria:

1. Authenticity
2. Creativity
3. Appeal
4. Relevance
5. Presentation

SEMESTER IV
COURSE CODE: MVAD-4114
Major project

Course Outcomes:

On completion of this course, the students will:

CO1: be able to implement pre-production, production and post-production techniques learned during the course

CO2: to apply all the tools they have learnt during the course

SEMESTER IV
COURSE CODE: MVAD-4114
Major project

L - T - P	Max. Marks: 150
0 - 0 - 6	Practical: 120
Time: 3 Hours	CA:30

Note: Guidelines for submission and evaluation of the project:

1. The project is short animation of minimum 2 minutes in duration.
2. The students need to submit the first report stating their concept, choice of tools/software, Storyboards/Scripts(pre-production) and expected outcome during the first month of the project.
3. In the production phase the student will get marks for asset creation.
CA will be awarded on the basis of first report and asset creation.
4. The project on final submission (120) includes the following:
 - a) Project Report
 - b) A minimum of 2-minute animation in 2D/3D (duration won't include title and credits)
 - c) Maximum no of characters: 02

SEMESTER IV
COURSE CODE: MVAI-4115
Industrial Training

Course Outcomes:

On completion of this course, the students will:

CO1: be able to implement pre-production, production and post-production techniques learned during the course

CO2: have first-hand experience from conceiving an idea to production in 2D/3D

SEMESTER IV
COURSE CODE: MVAI-4115
Industrial Training

L - T - P	Max. Marks: 150
0 - 0 - 6	
Time: 3 Hours	

The students need to attend compulsory training at the end of the course, the awards will be given w.r.t the student

1. Regularity
2. Report on Tools Learned/Work done during the training Feedback