



Ref.No.SU/BOS/Science/271

Date: 03/05/2025

To,

The Principal,
All Concerned Affiliated Colleges/Institutions
Shivaji University, Kolhapur.

Subject: Regarding revised syllabi of B.Sc. Part-II (Sem.III & IV) degree programme under the Faculty of Science and Technology as per NEP-2020 (2.0).

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi, nature of question paper B.Sc. Part-II (Sem. III & IV) degree programme under the Faculty of Science and Technology as per NEP-2020 (2.0).

B.Sc.Part-II (Sem. III & IV) as per NEP-2020 (2.0)			
1.	Pollution	8.	Food Science (Entire)
2.	Biochemistry	9.	Biotechnology (Entire)
3.	Food Science and Quality Control	10.	Environmental Science (Entire)
4.	Computer Science (Optional)	11.	Information Technology (Entire)
5.	Biotechnology (Optional/Vocational)	12.	Food Science and Technology (Entire)
6.	Animation (Entire)	13.	Food Technology & Management (Entire)
7.	Computer Science (Entire)	14.	All Faculty UG Part II Environmental Studies (VEC)

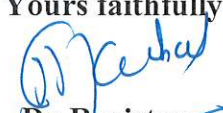
This syllabus, nature of question and equivalence shall be implemented from the academic year 2025-2026 onwards. A soft copy containing the syllabus is attached herewith and it is also available on university website www.unishivaji.ac.in NEP-2020@suk(Online Syllabus)

The question papers on the pre-revised syllabi of above-mentioned course will be set for the examinations to be held in October /November 2025 & March/April 2026. These chances are available for repeater students, if any.

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,


Dy Registrar
Dr. S. M. Kubal

Encl: As above

for Information and necessary action

Copy to:

1	Dean, Faculty of Science & Technology	6	Appointment Section A & B
2	Director, Board of Examinations and Evaluation	7	I.T.Cell /Computer Centre
3	Chairman, Respective Board of Studies	8	Eligibility Section
4	B.Sc.-M.Sc. Exam Section	9	Affiliation Section (T.1) (T.2)
5	Internal Quality Assurance Cell (IQAC Cell)	10	P.G. Seminar Section

SHIVAJIUNIVERSITY, KOLHAPUR



NAAC A++ Grade with CGPA 3.52

Multiple Entry and Multiple Exit Option (NEP-2020)

Syllabus for

B.Sc. Animation

(Under Faculty of Science and Technology)

PART-II SEMESTER - III & IV

(Syllabus to be implemented from Academic year 2025-26)

Multiple Entry and Multiple Exit Option (NEP-2020)

B.Sc.AnimationPart-II(Level-5.0) With Mathematics is minor

SEMESTER-III(Duration-Six Month)										
Sr. No.	CourseCode	TeachingScheme			ExaminationScheme					
		Theoryand Practical			University Assessment(UA)			InternalAssessment (IA)		
		Lectures (Per week)	Hours (Per week)	Credit	Maxim um Marks	Minim um Marks	Exam minut es	Maxim um Marks	Minimu m Marks	Exam minute s
1	SubjectI MajorV:	2	-	2	40	14	90	10	04	20
2	SubjectI MajorVI:	2	-	2	40	14	90	10	04	20
3	Subject I Practical III: Practical Based onSubjectIMajorV &MajorVI	-	4	2	40	14	90	10	04	-
4	SubjectIIMinorV	2	-	2	40	14	90	10	04	20
5	SubjectIIMinorVI	2	-	2	40	14	90	10	04	20
6	Subject II Practical III: Practical Based onSubjectMinorVI	-	4	2	40	14	90	10	04	-
7	OE-III(T/P):	2	-	2	40	14	90	10	04	20
8	VSC-I(P)Major specific	2	-	2	40	14	90	10	04	20
9	SEC-I(T/P):	-	4	2	40	14	90	10	04	20
10	AEC-I:	2	-	2	40	14	--	10	04	20
11	CC-I:	2	-	2	40	14	90	10	04	20
	Total(A)			22	440			110		

SEMESTER-IV(Duration-SixMonth)										
Sr. No.	CourseCode	TeachingScheme			ExaminationScheme					
		Theoryand Practical			University Assessment(UA)			InternalAssessment (IA)		
		Lectures (Per week)	Hours (Per week)	Credit	Maxi mum Marks	Mini mum Marks	Ex am mi nut es	Maxim um Mar ks	Minim um Mark s	Exam. Hours
1	SubjectI MajorVII	2	-	2	40	14	90	10	04	20
2	SubjectI MajorVIII	2	-	2	40	14	90	10	04	20
3	SubjectI PracticalIV Practical Based on Subject I Major VII&MajorVIII	-	4	2	40	14	90	10	04	-
4	SubjectIIMinorVII	2	-	2	40	14	90	10	04	20
5	SubjectIIminorVIII	2	-	2	40	14	90	10	04	20
6	SubjectIIPracticalIV Practical Based on Subject II Minor VII	-	4	2	40	14	90	10	04	-
7	OE-III(T/P)	2	-	2	40	14	90	10	04	20
8	SEC-II(T/P)	2	-	2	40	14	90	10	04	20
9	AEC-II	-	4	2	40	14	90	10	04	20
10	VEC-II	2	-	2	40	14	--	10	04	20
11	CEP-INSS/NCC	2	-	2	40	14	90	10	04	20
	Total(A)			22	440			110		

Multiple Entry and Multiple Exit Option (NEP-2020)

B.Sc. Animation (Entire) Program Structure

B.Sc. Animation Science (Entire) Part-II (Level-5.0)

Semester	Subject Type	CourseCode	CourseTitle
SEM-III	CourseI	MajorV	Basicof2DAnimation
		MajorVI	Basicof3DAnimation
		MajorPracticalIII	Labcourse MajorV andMajorVI
	CourseIII	MinorV	LinearAlgebra
		MinorVI	NumericalMethod
		MinorPracticalIII	Labcourse MinorV andMinorVI
		OE-3(T/P)	Strategic I.T. Management
		VSC1 (P) (Majorspecific)	MotionGraphics
		SEC1 (T/P)	Riggingin3DAnimation
		AEC1	English
		CC-1	Cinematography

Semester	Subject Type	CourseCode	CourseTitle
SEM-IV	CourseI	MajorVII	Advanced3D Animation
		Major VIII	Rendering3DF Animation
		MajorPracticalIV	LabcourseMajorVIIandMajorVIII
	CourseIII	MinorVII	ComputationalGeometry
		MinorVIII	OperationalResearch
		MinorPracticalIV	Labcourse MinorVII andMinorVIII
		OE-4(T/P)	DigitalMarketing
		SEC1I (T/P)	DigitalEditing
		AEC1I	English
		VEC1I	EnvironmentalStudies
		CEP-I	

DSC: Discipline Specific Course

- MAJOR: Mandatory/Elective
- MINOR: Course may be from different disciplines of same faculty of DSC Major
- OE (Open Elective): Elective courses/Open Elective to be chosen compulsorily from faculty other than that of the Major.
- VSC/SEC: Vocational Skill Courses (MAJOR related)/ Skill Enhancement Courses
- AEC/VEC/IKS: Ability Enhancement Courses (English, Modern Indian Language)/Value Education Courses/ Indian Knowledge System

(Generic & Specific))

- OJT/FP/RP/CEP/CC: On-Job Training (Internship/Apprenticeship) / Field Project (Major related)/ Research Projects (Major related) Community Engagement (Major related)/ Co-Curricular courses (CC) such as Health & Wellness, Yoga Education, Sport, and Fitness, Cultural activities, NSS/NCC and Fine/applied/visual/performing Arts /Vivek Vahini etc.

B.Sc.ComputerScience(Optional)
Multiple Entry and Multiple Exit Option
(NEP-2020)
PART I SEM III

Title of course: Introduction to Statistics

Course Outcomes:

After completion of this course students will be able to;

1. Acquire knowledge of Meaning and Scope of Statistics, various statistical organizations.
2. Understand the basic knowledge of data collection and various statistical elementary tools.
3. Understand the basic concept of Measures of Central Tendency and Dispersion.

UNIT I

(15 Hours)

Introduction to Statistics: Concept, Definition of Statistics and Scope of Statistics,

Nature of Data: Primary and Secondary data, Qualitative and quantitative data, Discrete and continuous data, frequency, cumulative frequency, frequency distribution.. Population and Sample: Statistical population. Finite population, Infinite population, Census method, Sample, sampling method, Advantages of sampling method over census method. SRS, SRSWR and SRSWOR Representation of Data: Discrete frequency distribution, Continuous frequency distribution, Cumulative frequency distribution, Inclusive and Exclusive methods of classification, Open end classes, illustrative examples. Representation of data by graphical method: Histogram, frequency polygon, frequency curve, Ogive curve. Representation of data by diagrammatic Method: Bar diagram (Simple), Pie chart.

UNIT II

(15 Hours)

Measures of central Tendency: Meaning of averages, Requirements of good average. Arithmetic mean (A.M.), Combined mean, Median, Quartiles, Mode, Relation between mean, median and mode. Merits and Demerits of Mean, Median and Mode, determination of Median and Mode by Graph. Numerical Examples. Measures of Dispersion: Meaning of dispersion, Absolute and Relative measures of dispersion Requirements of good dispersion. Q.D, M.D, S.D. Variance and Combined variance, Coefficient of Variation (C.V) Concept of Skewness, Numerical Examples

Reference Books:

1. Statistical Methods, by Dr. S.P. Gupta, Sultan Chand and Sons Publication.
2. Introduction to Statistics, by C.B. Gupta.
3. Mathematical Statistics, by H.C. Saxena and J.N. Kapur.
4. Business Statistics, by S.S. Desai.
5. Business Statistics, by G.V. Kumbhojkar.

**B.Sc.PartII-Animation Semester
-III**

DSC-AN-C1:Basics of 3D Animation

Total Contact Hours: 36 hrs. (45 lectures of 48 minutes) Credits: 03

Theory: 3.2 Lect./Week Total Marks: 50

Course Outcomes:

1. To familiarize the students with various approaches, methods and techniques of Animation Technology.
2. To develop competencies and skills needed for becoming an effective Animator.
3. Mastering traditional & digital tools to produce stills and moving images.
4. Exploring different approaches in computer animation.
5. To enable students to manage Animation Projects from its Conceptual Stage to the final Product creation
6. To apply Audio and Video Production Techniques to an Animation Project.

Unit I

18

hrs

Working in Maya - Creating and Editing Maya Nodes, Creating Maya Projects, Organizing Complex

Node Structures with Assets, File References, Convert NURBS Surfaces to Polygons, Boolean Operations, Sculpting Polygons Using Artisan, Advanced Polygon Editing Tools Using Subdivision Surfaces, SubD Levels.

Unit II

18

hrs

Polygon Modeling Understanding Polygon Geometry Working with Smooth Polygons Using Smooth Mesh Polygons Editing Polygon Components, Adding Components, Modeling with Deformers Combining Meshes Polygon Modeling with Paint Effects NURBS Modeling in Maya - Understanding NURBS, Employing Image Planes Modeling NURBS Surfaces Creating Realism NURBS Tessellation

References:

1. Mastering Maya 2017 by Eric Keller.
2. Introducing Maya 2017 by Dariush Derakhshani
3. Complete Maya Programming Volume II An In-depth Guide to 3D Fundamentals, Geometry, and Modeling.
4. Game Character Development with Maya.
5. 2D Artwork and 3D Modeling for Game Artists.

Practical Based on Basics of 3D Animation

1. How do you make a cube in 3D.
2. How do you make texture to cube
3. How do you use image plane
4. How do you rotate object in 3D
5. How do you mirror in 3D
6. How do you center a model in 3D
7. How do you duplicate in 3D
8. How do you fill hole in 3D
9. How do you smooth object in 3D
10. How do you use the snap tool

B.Sc.PartII-Animation Semester

–III

DSC-AN-C2:Riggingin3DAnimation

TotalContactHours:36hrs.(45lecturesof48minutes) Credits:

03 Theory: 3.2 Lect./Week Total Marks:50.

CourseOutcomes:

1. StudentslearnaboutRiggingprocessinMaya,theyareelaboratedwithcreationofdifferent kind of rigs for characters and objects.
2. StudentslearnanimationMaya,theypracticetoapplyvariousanimationprinciplesandlearn different tools for Animation in Maya.
3. StudentlearnvarioustechniquesofAnimationin Maya.

UnitI

18hrs

UnderstandingRigging,CreatingandOrganizingJointHierarchies,OrientingJoints,Naming Joints, MirroringJoints,RiggingtheGiraffe,IKLeg,FKBlending,RotatePlaneSolvers,Creating Custom AttributesSplineIK, FullBodyInverseKinematics,SkinningGeometry

UnitII

18 hrs

Interactive/SmoothBinding,WeightingtheGiraffe,PaintingSkinWeights,EditingSkinWeights in theComponentEditor,CopyingSkinWeights,MirroringSkinWeights,TheMaya Muscle System

UnderstandingtheMayaMuscleSystem,UsingCapsules,CreatingaMuscleUsingMuscle Builder, EditingMuscleParameters,ConvertingtheSmoothSkintoaMuscleSystem,SlidingWeights

References:

1. MasteringAutodeskMaya2017byEricKeller.
2. IntroducingMaya 2017byDariushDerakhshani.
3. BodyLanguage: Advanced3DCharacterRigging
4. AnEssentialIntroductiontoMayaCharacterRigging Handbook of Rigging

PracticalBasedonRiggingin3DAnimation

1. Howdoyou rigobjectin3DAnimation?
2. Howdoyourig a3Danimation?
3. Whatareriggingtools?
4. Howdoyouanimateriggingin3D Animation?
5. Canyouriga3Dmodel?
6. Howdoyou rigalowpolycharacter?
7. Howdoesa rigger work?
8. Howdoyouattachanobject toananimationin3DAnimation?

**B.Sc.PartII-Animation Semester
-III**

DSC-AN-C3:Cinematography

TotalContactHours:36hrs.(45lecturesof48minutes) Credits:

03 Theory: 3.2 Lect./Week Total Marks:50

CourseOutcomes:

1. Workinexperimentalandmanipulativetechniques,candidandcontrivedimagery, documentary photography, archival processing, and interpretive studies.
2. Familiarwithandcommandofmaterials,equipment,andlibraryresourcesrelatedtothe study of photography.
3. Workandstudy independently.
4. Understandvisualformsandtheiraestheticfunctions,andbasicdesignprinciples,developing throughout the degree program, with attention to such areas as design, color, and lighting.
5. Understand the industrial and commercial applications of photographic techniques design principles,developingthroughoutthedegreeprogram,withattentiontosuchareasasdesign, color, and lighting.

UnitI

18

hrs

IntroductiontoCinematography,FilmDimension,FilmPackaging,Processingand Printing, Films

inMotionPictures,ScreeningofFilms,CamerasforMotionPicture,

UnitII

18

hrs

DifferenttypesofShootingformats,VariousCamerateests,Audio andvideoediting,Screeningoffilms,Demo reel, Film Packaging, Shooting through Mirrors, Rigging the Camera, Digital Film Production, Aerial Photography, Different types of film cameras, Cinema Projection,

References:

1. Cinematography:TheoryandPractice:Image MakingforCinematographersandDirectors
2. TheFilmmaker'sEye:Learning(andBreaking) theRulesofCinematic Composition
3. TheFiveC'sofCinematography: MotionPictureFilming Techniques
4. FilmTheoryAnIntroductionThroughTheSenses
5. FocalPress Book:TheCompleteFilm ProductionHandbook

PracticalBasedonCinematography

1. Howdoyoustart cinematography?
2. Howdo ushootcinematography?
3. Howimportantis cinematography?
4. Howdoyoumakeagoodcinematography?
5. HowcanIpracticecinematographyathome?
6. Howcan becomeabettercameraman?
7. Howdoyoubecomeasportscamera operate?
8. HowdoyoueditingAudioand video?
9. HowdoyouShootingthroughMirrors?
10. HowdoyoutestVariousCamera?

B.Sc.PartII-Animation Semester

-III

DSC-AN-C5:MotionGraphics

TotalContactHours:36hrs.(45lecturesof48minutes) Credits: 03

Theory: 3.2 Lect./Week Total Marks:50

CourseOutcomes:

1. Employtheterminologyofmotiongraphicdesignwhenpresenting,critiquing,ordiscussing, motion graphic design ideas and solutions.
2. Analyzemotiongraphicsincontemporaryandhistoricalcontexts.
3. Applygraphicdesignprinciplestotime-based works.
4. Producemotiongraphicsinarangeofprofessionally-recognizedforms.
5. Utilizeappropriate contentandtechniquetotella story.
6. Compileaportfolioofmotiongraphicdesign.

UnitI18 hrs

MotionGraphics:A Perspective:HistoryofMotionGraphics,MotionGraphicsinFilm and Television, The Pictorial Composition, Space and Composition: An Overview, Principles of Composition, Constructing Space , TheSequentialComposition:Overview,Formsofcontinuity, FormsofDiscontinuity, Montage,

UnitII

18hrs

Conceptualization: Assessment, Formulation, Cultivation, Storyboards, Animatics 9, AnimationProcesses:Frame-by-frameAnimation,Interpolation,SpatialInterpolation,Visual Interpolation ,Temporal Interpolation ,Coordinating Movement, MotionGraphicsCompositing:Compositing:AnOverview,BlendOperations,KeyingAlpha Channels, Mattes, Masks,

References:

1. MotionGraphicDesign:AppliedHistoryandAesthetics.Author:JonKrasner.ISBN: 9780240809892. Publisher: Focal Press.
2. DesignforMotion:Fundamentalsandtechniquesofmotiondesign.Author:AustinShaw, Focus Press, 2015 ISBN 10-1138812099.
3. CreatingMotionGraphicswithAfterEffects
4. Hands-OnMotionGraphicswithAdobeAfterEffectsCC
5. AdobeAfterEffectsCCClassroominaBook

PracticalBasedonMotionGraphics

1. Howdoyouplanamotion graphic?
2. Whatistheprocessofmotion graphic?
3. Howdoyouanimateapicture?
4. Howdoyoustartmotion graphic?
5. Howdoyoucreateamotiongraphictemplate?
6. Howdoyoumakeanimatedvideoonandroid?
7. Howcanyouturnurphotointoacartoon?
8. Howdoyoumovingvideowithpictures?
9. Howdoyoumakegraphicnovel?
10. Howdoyoumakesimplecomic?

B.Sc.PartII-Animation Semester

–IV

DSC-AN-D1:Advanced3DAnimation

TotalContactHours:36hrs.(45lecturesof48minutes) Credits: 03

Theory: 3.2 Lect./Week Total Marks:50

CourseOutcomes:

1. Use appropriate tools and techniques to produce polygonal objects of varying complexity (hard surface based and organic based) that can be used in games and animation media.
2. Create and fully texture a low-polygon model for use in a game engine.
3. Create organic looking 3D objects.
4. Design UV layout, and texture 3D objects.
5. To develop the skill & knowledge in 3D Modeling.
6. Students will understand the know-how and can function either as an entrepreneur or can take up jobs in the multimedia and animation industry, video studios, edit set-up and other Special Effects sectors.

Unit I 18 hrs

Using Joints and Constraints, Inverse Kinematics, Keyframe Animation, The Graph Editor, Playblast and FC Check, Driven Keys, Animation Using Expressions, Motion Path Animation, Animating Constraints.

Unit II

18hrs

Animation Layers, Creating an Animation Layer, Animating Facial Expressions Using Blend Shapes, Animating Blend Shapes Sequentially, Animating with Lattices, Animating Object Components with Clusters, Animating a Scene Using Nonlinear Deformers, Creating a Jiggle Effect, Optimizing Animations with the Geometry Cache.

References:

1. Mastering Maya 2017 by Eric Keller.
2. Introducing Maya 2017 by Dariush Derakhshani
- Complete Maya Programming Volume II: An In-depth Guide to 3D Fundamentals, Geometry, Game Character Development with Maya.
1. 5.2D Artwork and 3D Modeling for Game Artists.

Practical Based on Basics of Advanced 3D Animation

1. Assignment on Table and chair.
2. Assignment on Human Body Model.
3. Assignment on Face Model.
4. Assignment on Fruit Dish Model.
5. Assignment on Bike and animate.
6. Assignment on Car model and animate.
7. Assignment on Path animation.
8. Assignment on Camera movements.
9. Assignment on Flag simulation.
10. Assignment on Garment maker.

B.Sc.PartII-Animation Semester
–IV
DSCAN-D2:Renderingin3DAnimation
TotalContactHours:36hrs.(45lecturesof48minutes) Credits:
03 Theory: 3.2 Lect./Week Total Marks:50

CourseOutcomes:

1. Studentslearn different kindsof lightsand lightsetupina Maya scene.
2. Studentslearn to use lightsand to set their attributesmore precisely.
3. Studentslearn to create shadows
4. FoginMaya lightingsystem.
5. Finally studentsare trainedto get final outputof their sceneusing various rendering

UnitI 18 hrs

Using the Paint Effects Canvas, Painting on 3D Objects, Understanding Strokes, Designing Brushes, Rendering Paint Effects, Using Toon Shading, Render Layers, Render Passes.

UnitII

18hrs

Render Pass Contribution Maps, Setting Up a Render with mental ray, mental ray Quality Settings, Using Fluid Containers, Creating a Reaction, Rendering Fluid Containers, Create Fluids and nParticle Interaction.

References:

1. Mastering Maya 2017 by Eric Keller.
2. Introducing Maya 2017 by Dariush Derakhshani
- Complete Maya Programming Volume II An In-depth Guide to 3D Fundamentals, Geometry, Game Character Development with Maya.
- 2D Artwork and 3D Modeling for Game Artists.

Practical Based on Basics of Rendering in 3D Animation

1. Assignment on Table and chair
2. Assignment on Human Body Model
3. Assignment on Face Model
4. Assignment on Fruit Dish Model
5. Assignment on Bike
6. Assignment on Car model
7. Assignment on Book cover
8. Assignment on Magazine cover
9. Assignment on CD cover
10. Assignment on Wood carving

B.Sc.PartII-Animation Semester

–IV

DSC-AN-D3:DigitalEditing

TotalContactHours:36hrs.(45lecturesof48minutes) Credits: 03

Theory: 3.2 Lect./Week Total Marks:50

CourseOutcomes:

1. Studentwilllearnsoundeditingforsongs andunderstandvariousdigitalaudioformats.
2. Studentwillgainskillforrecording&mixingwithsong.
3. Studentwilllearnspecialeffectforaudioandunderstandtheloops,playlists.
4. Studentwillintroducedtovideoeditingsoftware&editvideosfor movie/presentationand understand various digital video formats. Student will learn special effect for movie like Star trek transporter effect, Blurring a part of an image,
5. Ghosteffect,highlightinga partofanimage etc.

UnitI18 hrs

Manipulatingaudio:Autotrim/crop,mute,DCCoffset,resample,reverse,smooth/enhance,Fade in/out, insert silence, bit depth converter etc, Understanding various digital audio formats like.WAV,

.AIFF, .MP3, .swf, .WMA etc, Understand audio plug-in, importing and exporting into multiple audiofileformatslikeMP3, realaudio,QuickTimeformats,etc.Eventtool:move,split,slipand trim multipleevents,createfades,applyASRattack/sustain/release),etc.

Spectrumanalysistools,scrubtooletc,statisticstool(Max,RMS,DCCoffset,zero crossings), sampler tool etc, Audio editing: workflow, real time editing, event based editing, waveform volume andpanenvelopes,Edit,record,encodeandmasterdigitalaudio,editingaudio bydraganddrop options, cross fading audio tracks, balancing sound levels, creating smooth fades etc.

UnderstandingMultichannelaudiorecording,synchronizeaudioandvideo.Understanding regions

andplaylists,editingoffields,name markers,loops,andregions,Timeandframes.Audioeffects like: EQ, Volume, chorus, distortion, Delay/echo, pitch, bend/shift, reverb, vibrato, normalize etc Insert track markers, adding multiple tracks, adjusting track time, musical instrument file processing

UnitII18hrs

Premiere:Conceptofnonlinearediting,Thebasicsofediting:OverviewImportingand Exporting:

variousaudio,videoandgraphicsinvariousformatsEdit,manipulateandarrange theseelements in visualtimeline,understandallToolsontoolboxfor editingclips.,Titlingandsuperimposing, Panels: Tools panel, Project, Monitors: Source and program, Timeline, Audio meters, Misc.

Tasks

andfunctions:Titles,Transitions,speedandduration,Effects,Keyframes,Typesofedit,Opacity, trimming, Adding Special effects like: Star trek transporter effect, Blur part of an image, Ghost effect, Highlight part of an image etc.

References:

1. FilmEditing:GreatCutsEveryFilmmakerandMovie LoverMust.KnowAuthor:Gael
2. AppleFinalCutProX:In-DepthwithLarryJordanProfessionalvideoeditingmadeeasy
- 3.Professional video editing made easy
4. IntheBlinkofAnEye: 2ndEdition:NewEdition
5. TheTechniqueofFilm andVideoEditing: History,Theory,andPractice”byKenDancyger

B.Sc.PartII-Animation
DSC-AN-A4:ClassicalAnimation
TotalContactHours:36hrs.(45lecturesof48minutes)
Credits: 02
Theory:03Lect./Week

Unit-I

Historyof Animation,
Overviewoftheprocesspreproduction,Production&postproduction, Perspective,
Background Design,
Scriptwritingprocess.
Effects Animation1.
IntroductionStoryboard,
Storyboard Layout.
AssistingAnimation,
Color Theory,
Effects Animation2,
StoryboardingFinalFilmConcept

Unit-II

Art Direction,
AnimationFinalFilmProject,
Layout Recap, Premiere,
Sound Breakdown.
DigitalInkand Paint,
2D Digital Animation Sound,
Photoshop,AdobeFlash.Toonboom

References:

1. TheAnimatorSurvivalKitbyRichardsWilliams
2. BasicDrawingTechniquesbyRichardsBox
3. DrawingandAnatomybyVictor Petard
- 1) TheAnimatorSurvivalKitbyRichardsWilliams
- 2) BasicDrawingTechniquesbyRichardsBox
- 3) DrawingandAnatomy byVictorPerard
- 4) SketchingbyPratapMulik
- 5) HumanAnatomyforArtistbyEliotGoldfinger
- 6) HowtoDraw BabyAnimalbySusanSonkin
- 7) CartoonAnimationbyPrestonBlair
- 8) Humananatomy byVictorFerard
- 9) Figuredrawingmadeeasy byAdityaChari
- 10) HowtoDraw Human FiguresbyPundalikWaze