Teerthanker Mahaveer University College of Computing Sciences & IT

B.Sc. (Animation)

Course Outcomes

BSA101	CO-1	Understanding computers, parts of computer, need of internet, Word
DJAIUI	CO-1	Processor, Spreadsheets, Database and PowerPoint Presentations.
	CO-2	Understanding the basic features of Ms-Word like Display documents
		using various views, Font Style, tabs and tables, clip art and pictures,
		Macro, Mail-Merge.
	CO-3	Analyzing the formulas, functions and absolute relative referencing in MS
		Excel.
	CO-4	Applying the features of Word Processor to create a document.
	CO-5	Applying some formulas in MS Excel to create a database.
	CO-6	Applying animation tools in PowerPoint to create a interactive
		presentation.
BSA102	CO-1	Understanding the techniques of drawing for animation
	CO-2	Understanding the drawing techniques of backgrounds and it selements for animation movies
	CO-3	Understanding the techniques of perspective drawing using light and
		shadow.
	CO-4	Applying the human anatomy study for the character development and
		movements.
	CO-5	Applying the Anatomy study on cartoons, child character, and animal
		drawing.
BSA110	CO-1	Understanding the basic concepts of graphics and image editing in Adobe
		Photoshop.
	CO-2	Understanding the basics of print media design and digital typography in
		Adobe Photoshop.
	CO-3	Understanding the techniques of digital painting, matte painting and
		image retouching in Adobe Photoshop.
	CO-4	Applying the techniques and tools in Adobe Photoshop.
	CO-5	Creating the elements of Web page template design in Adobe Photoshop
BSA111	CO-1	Understanding the concepts of Graphic Design &vector illustration in
		Adobe illustrator and its application using various tool
	CO-2	Understanding the knowledge drawing & colors to create the 2D
		animation background in Adobe illustrator
	CO-3	Understanding the uses of advance tools of Adobe illustrator in creation
		of advertisement and infographics
	CO-4	Analyzing the elements used for graphics designing and print media in
		adobe illustrator.
	CO-5	Applying the techniques and tools in Adobe illustrator.
TMUGE101	CO-1	Remembering and understanding the basics of English grammar and
		vocabulary.
	CO-2	Understanding the basics of communication.
		-

		T
	CO-3	Applying correct vocabulary and tenses in sentence construction.
	CO-4	Aanalysing different types of tenses and communication.
	CO-5	Drafting applications in correct format on common issues.
BSA155	CO-1	Understanding the basic features of Ms-Word like Display documents
		using various views, Font Style, tabs and tables, clip art and pictures,
		Macro, Mail-Merge.
	CO-2	Analyzing the formulas, functions and absolute relative referencing in MS
		Excel.
	CO-3	Applying the features of Word Processor to create a document.
	CO-4	Applying some formulas in MS Excel to create a database.
	CO-5	Creating animation tools in PowerPoint to create a interactive
		presentation.
	CO-6	Creating PowerPoint presentations by using tools available in MS
		PowerPoint. Also editing and modifying it using animation tools.
BSA157	CO-1	Analyzing the concepts of graphic designing & image editing techniques in
		Adobe Photoshop
	CO-2	Applying the techniques of color correction using Adjustment Layer on
		the image in Adobe Photoshop.
	CO-3	Applying the brush and advance tools in Adobe Photoshop to make digital
		painting and matte Painting.
	CO-4	Applying the Graphic Design &vector illustration techniques in Adobe
		illustrator.
	CO-5	Creating the elements used in designing of buttons, print ads and web
		page templates
	CO-6	Creating the design of advertisement and infographics with text and
		advance tool in Adobe Illustrator
BSA 210	CO-1	Understanding scripts storyboards.
	CO-2	Understanding Idea generation process and its sources.
	CO-3	Understanding the concept of story, storytelling ideas.
	CO-4	Applying the importance of storyboard and how to create by its types.
	CO-5	Creating a storyboard for the story
BSA 211	CO-1	Understanding the production pipeline for 2D animation
	CO-2	Understanding the workspace, of Adobe Flash
	CO-3	Understanding the basic concepts of drawing tools available in Adobe
		Flash
	CO-4	Applying the various types of symbols and their uses.
	CO-5	Applying the advanced concepts of animation tools available in Adobe
		Flash.
	CO-6	Applying the basic concepts of Action Script, Buttons and Control over
		their Flash contents with scripts.
BSA 212	CO-1	Understanding the history and technical evolution of Professional
		cameras.
	CO-2	Understanding the component of camera's and functionalities
	CO-3	Understanding the rules of composition for photography and
		functionalities of video camera and setting up the accessories in
		cinematography.
	CO-4	Applying the techniques of lighting and application of tripods and other
	1 30 4	

		and a consequent to continue a good commentation in singular consequent.
		camera accessories to capture a good composition in cinematography &
		Photography
	CO-5	Applying the rules for camera movement ,shots and angle to create a
		perfect video shot Painting
	CO-6	Creating a short film /documentary using cinematography rules and
		techniques.
BSA 257	CO-1	Analyzing the video editing software & edit videos for movie /
		presentation
	CO-2	Analyzing the process of sound recording & cleaning noise in Adobe
		audition
	CO-3	Applying the editing techniques to the video in Adobe premiere
	CO-4	Applying the of special effect on audio in Adobe Audition.
	CO-5	Applying the basic of special effects and video transition on video in
		Adobe Premiere.
BSA 258	CO-1	Applying the production pipeline to create an animated Short film
	CO-2	Applying the production pipeline process into the project.
	CO-3	Applying the basic concepts of drawing tools available in Adobe Flash
	CO-4	Applying the various types of 2D animation tool and techniques to create
		project
	CO-5	Creating animated video using various 2D animation tools.
BSA 256	CO-1	Applying the techniques of lighting in photography and cinematography
	CO-2	Applying the application of tripods and other camera accessories to
		capture a good composition
	CO-3	Applying the rules for camera movement ,shots and angle to create a
		perfect video shot Painting
	CO-4	Creating a Photo album various techniques and types of photography.
	CO-5	Creating a short film /documentary using cinematography rules and
		techniques.
TMUGE201	CO-1	Acquire competence in constructing short sentences dealing day to day
		activities with grammatical accuracy.
	CO-2	Acquire adequate knowledge of grammar and vocabulary to address
		competitive exams
	CO-3	Improve their listening skills during conversation and speeches.
	CO-4	Write official letters and emails in correct format on common issues.
	CO-5	Develop a paragraph on given topics.
	CO-6	Improvise their voice modulation while reading and speaking something
	CO7	Attain proficiency in oral presentation.
	CO8	Comprehend, analyse and enrich their vocabulary through prescribed
		text.
BSA 309	CO-1	Understanding the basics of motion graphics
	CO-2	Understanding the basic of special effects using Adobe after effects.
	CO-3	Understanding the basic of advance visual effects using Adobe after
		effects.
	CO-4	Applying the process of VFX in Adobe After effects
	CO-5	Applying the VFX techniques in Adobe After effects
	CO-6	Applying the effects in Adobe After effects
BSA 310	CO-1	Understanding the interface and come to know about various tools
227 210		Charistanang the interface and come to know about various tools

		available in Maya
	CO-2	Understanding modeling with Maya.
	CO-3	Aanalyzing the Autodesk Maya files in other 3D software
	CO-4	Applying the modeling techniques using the Autodesk Maya
	CO-5	Creating model characters and objects in 3D for animation and Graphics.
BSA 311	CO-1	Understanding about basic principles of animation.
D3A 311	CO-2	Understanding the various processes and technologies used in creation of
	CO-2	Animations.
	CO-3	Understanding the various drawing techniques used in classical
		animation.
	CO-4	Applying stop motion and non conventional techniques to create short
	•••	animations
	CO-5	Applying the various processes and technologies used in creation of
		Animations to create experimental animation.
TMUGE 301	CO-1	Remembering and understanding the English grammar and vocabulary
	CO-2	Understanding the art of public speaking and strategies of reading
		comprehension.
	CO-3	Applying correct vocabulary and sentence construction during public
		speaking or professional writing.
	CO-4	Aanalyzing different types of sentences like simple, compound and
		complex.
	CO-5	Drafting notice, agenda and minutes of the meeting. Demonstrating
		speaking skills during common conversation and power point
		presentation.
BSA 356	CO-1	Analyzing the interface and come to know about various tools available in
		Maya
	CO-2	Analyzing modeling with Maya
	CO-3	Analyzing the Autodesk Maya files in other 3D software
	CO-4	Applying the modeling techniques using the Autodesk Maya.
	CO-5	Creating model characters and objects in 3D for animation and Graphics.
BSA 357	CO-1	Analyzing the basics of motion graphics
	CO-2	Analyzing the basic of special effects using Adobe after effects
	CO-3	Applying the basics of advance visual effects using Adobe after effects.
	CO-4	Applying the process of VFX in Adobe After effects.
	CO-5	Applying the VFX techniques in Adobe After effects
	CO-6	Creating the effects in Adobe After effects.
BSA 358	CO-1	Understanding about basic principles of animation.
	CO-2	Understanding the various processes and technologies used in creation of
		Animations
	CO-3	Understanding the various drawing techniques used in classical
	00.	animation.
	CO-4	Applying stop motion and non conventional techniques to create short
	60 -	animations
	CO-5	Applying the various processes and technologies used in creation of
DC4 252	00.1	Animations to create experimental animation.
BSA 359	CO-1	Understanding the knowledge and skills needed to run a business
	1	successfully

	CO-2	Understanding the factors and skills needed to Influencing an
		Entrepreneur.
	CO-3	Understand the value of harmonious relationship based on trust, respect
	CO-3	and other naturally acceptable feelings in human-human relationships
		and explore their role in ensuring a harmonious society
	CO-4	-
		Applying the knowledge and skills of financing and accounting
TRALICC 204	CO-5	Applying the different government policies to run a business successfully
TMUGS-301	CO-1	Utilizing effective verbal and non-verbal communication techniques in
	60.2	formal and informal settings
	CO-2	Understanding and analyzing self and devising a strategy for self growth
	60.3	and development
	CO-3	Adapting a positive mindset conducive for growth through optimism and
		constructive thinking.
	CO-4	Utilizing time in the most effective manner and avoiding procrastination.
	CO-5	Making appropriate and responsible decisions through various techniques
		like SWOT, Simulation and Decision Tree.
	CO-6	Formulating strategies of avoiding time wasters and preparing to-do list
		to manage priorities and achieve SMART goals.
BSA 408	CO-1	Understanding the different kinds of lights and light setup in a Maya
		scene.
	CO-2	Understanding the use of lights and to set their attributes more precisely.
	CO-3	Understanding about how to get final output of their scene using various
		rendering techniques
	CO-4	Applying Various techniques like shadows and Fog in Maya lighting
		system.
	CO-5	Applying various rendering techniques of Maya lighting to achieve desired
		output.
TMUGE401	CO-1	Remembering and understanding the English grammar and vocabulary
	CO-2	Understanding the essentials of effective listening and speaking.
	CO-3	Understanding the corporate expectations and professional ethics
	CO-4	Understanding the corporate expectations and professional ethics.
	CO-5	Analyzing different types of interviews
	CO-6	Drafting resume, C.V. or cover letter
BSA410	CO-1	Understanding the basic concepts of game designing.
	CO-2	Understanding the Planning and lay outing a game concept.
	CO-3	Understanding the knowledge about different game element and how to
		create using 3Ds MAX
	CO-4	Analyzing the Unity game engine and its functionality.
	CO-5	Applying concepts eg Game designing to create the stage of game.
BSA411	CO-1	Understanding the basic concept of AutoCAD through it's tool, palettes
		and units.
	CO-2	Understanding the 3D construction technique, through it "s primitives and
		coordinates.
	CO-3	Understanding the learn the architectural design
	CO-4	Understanding the learn the Architectural 3D Modeling.
	CO-5	Applying the add light, rendering and getting the final output, of the
		Modeled Architectural plan.
L	1	

_		·
	CO-6	Applying the concepts of architecture to create a perfect architectural
		walkthrough
BSA412	CO-1	Understanding the concept of Z-brush, working with layout, palettes, canvas, etc.
	CO-2	·
	CO-2	Understanding to combination of Autodesk Maya or Autodesk 3ds max with Z-brush for a final output
	CO-3	Understanding to use various lighting, shadows and texturing technique.
	CO-4	Applying the mapping and skinning of the Z-brush Models
	CO-5	Applying the brushes , render and final posing of characters
BSA 463	CO-3	understanding the basic concepts of game designing.
D3A 403		
	CO-2	Analyzing the Planning and lay outing a game concept.
	CO-3	Applying the knowledge about different game element and how to create using 3Ds MAX
	CO-4	Applying the Unity game engine and its functionality.
	CO-5	Creating concepts eg Game designing to create the stage of game
BSA 464	CO-1	Understanding the basic concept of AutoCAD through it's tool, palettes
		and units.
	CO-2	Analyzing the 3D construction technique, through it's primitives and co-
		ordinates.
	CO-3	Analyzing the learn the architectural design
	CO-4	Applying the learn the Architectural 3D Modeling.
	CO-5	Applying the add light, rendering and getting the final output, of the
		Modeled Architectural plan
	CO-6	Creating the concepts of architecture to create a perfect architectural
		walkthrough
BSA 460	CO-1	Analyzing the concept of Z-brush, working with layout, palettes, canvas,
D3A 400		etc.
	CO-2	Analyzing to combination of Autodesk Maya or Autodesk 3ds max with Z-
	CO-2	brush for a final output
	CO-3	Applying to use various lighting, shadows and texturing technique.
	CO-4	Applying to use various lighting, shadows and texturing technique. Applying the mapping and skinning of the Z-brush Models.
DCA 4C4	CO-5	Creating the brushes , render and final posing of characters
BSA 461	CO-1	Understanding the different kinds of lights and light setup in a Maya scene.
	CO-2	Analyzing the use of lights and to set their attributes more precisely.
	CO-3	Analyzing how to get final output of their scene using various rendering
		techniques.
	CO-4	Applying Various techniques like shadows and Fog in Maya lighting
		system
	CO-5	Applying various rendering techniques of maya lighting to achieve desired
		output.
	CO-6	Creating A lighting scene in MAYA
BSA 462	CO-1	Analyzing the 3D project pipeline
JUN 702	CO-2	Analyzing the use of 3D and 2D software in Game design/Architectural
	50-2	design
	CO-3	Applying Various techniques of 3D and 2D animation
	CO-4	Applying various rendering techniques to achieve desired output

CO-5 Creating A video based on Gaming/3D modelling/Architectural Desig final output CO-1 Understanding the Rigging process in Maya, they are elaborated creation of different kind of rigs for characters and objects. CO-2 Understanding the animation Maya, they practice to apply var animation principles and learn different tools for Animation in Maya. CO-3 Analyzing the various techniques of Animation in Maya CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create process of the designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine.	
BSA 512 CO-1 Understanding the Rigging process in Maya, they are elaborated creation of different kind of rigs for characters and objects. CO-2 Understanding the animation Maya, they practice to apply var animation principles and learn different tools for Animation in Maya. CO-3 Analyzing the various techniques of Animation in Maya CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create pages. CO-5 Applying the print design techniques to create resume, brochure, leaflet, brochure, leaflet, designs.	/ith
creation of different kind of rigs for characters and objects. CO-2 Understanding the animation Maya, they practice to apply var animation principles and learn different tools for Animation in Maya. CO-3 Analyzing the various techniques of Animation in Maya CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools BSA 514 CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create process of the designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs.	/1111
CO-2 Understanding the animation Maya, they practice to apply var animation principles and learn different tools for Animation in Maya. CO-3 Analyzing the various techniques of Animation in Maya CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools BSA 514 CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create processed to the print design techniques to create resume, brochure, leaflet, magazine CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs.	
animation principles and learn different tools for Animation in Maya. CO-3 Analyzing the various techniques of Animation in Maya CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools BSA 514 CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create processed to the print design techniques to create resume, brochure, leaflet, magazine CO-5 Applying the print design techniques to create resume, brochure, leaflet, brochure, leaflet, magazine designs.	
CO-4 Applying the various techniques of Animation in Maya CO-5 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools BSA 514 CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools using designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create pages of the print design techniques to create resume, brochure, leaflet, magazine CO-5 Applying the print design techniques to create resume, brochure, leaflet, brochure, leaflet, magazine designs.	Jus
CO-4 Applying the various technique of rigging in Maya CO-5 Applying the various technique and tools CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools using designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create pages. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs.	
CO-5 Applying the various technique and tools CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools usin designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create pages. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine	
BSA 514 CO-1 Understanding web technologies and basic of web design CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site BSA 516 CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create page designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs.	
CO-2 Understanding the use of HTML and CSS to making the web sites CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Indeand coral draw CO-2 Understanding the document for designing, drawing and colors tools in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create pages of the print design techniques to create resume, brochure, leaflet, magazine designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet, magazine designs.	
CO-3 Understanding the UI/UX basics and designing. CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Inderstanding the document for designing, drawing and colors tools using designing CO-2 Understanding the document for designing, drawing and colors tools using designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create processing designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
CO-4 Analyzing the various techniques of UI/UX for designing CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Indead and coral draw CO-2 Understanding the document for designing, drawing and colors tools in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create processing designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
CO-5 Applying the Different techniques to design web site CO-1 Understanding the print designs and technologies using Adobe Independent of the and coral draw CO-2 Understanding the document for designing, drawing and colors tools of in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create processing designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
CO-1 Understanding the print designs and technologies using Adobe Indebended and coral draw CO-2 Understanding the document for designing, drawing and colors tools using designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create page designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
and coral draw CO-2 Understanding the document for designing, drawing and colors tools used in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create page designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
 CO-2 Understanding the document for designing, drawing and colors tools used in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create page designs. CO-5 Applying the print design techniques to create resume, brochure, leaflet 	ign
in designing CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create particles. CO-5 Applying the print design techniques to create resume, brochure, leaflet.	
CO-3 Understanding to create resume, brochure, leaflet, magazine CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create particles. CO-5 Applying the print design techniques to create resume, brochure, leaf	sed
CO-4 Applying the various tool (Adobe Indesign and Coraldraw) to create process. CO-5 Applying the print design techniques to create resume, brochure, leading to the print design techniques to create resume.	
designs. CO-5 Applying the print design techniques to create resume, brochure, lea	
CO-5 Applying the print design techniques to create resume, brochure, lea	int
magazine.	let,
BSA 515 CO-1 Understanding the node based compositing systems	
CO-2 Understanding to use open poly support feature to enhance	the
rotoscopy skills.	
CO-3 Understanding to get 3D compositing techniques such as car	era
projection, 3D particles.	
CO-4 Applying the VFX features and create shorts like Gravity films.	
CO-5 Applying the different 3D compositing techniques such as can	era
projection, 3D particles to create a vfx shot.	
BSA 558 CO-1 Understanding the Rigging process in Maya, they are elaborated	/ith
creation of different kind of rigs for characters and objects.	
CO-2 Understanding the animation in Maya and practice to apply var	ous
animation principles and learn different tools for Animation in Maya.	
CO-3 Analyzing the various techniques of Animation in Maya.	
CO-4 Applying the various technique of rigging in Maya	
CO-5 Applying the various technique of animation in maya.	
BSA 559 CO-1 Understanding the concepts of advance video editing software.	
CO-2 Analyzing the process of creating news packaging in Final cut pro	
CO-3 Applying the editing techniques to the video in Final cut pro	
CO-4 Creating the special effects and video transition on video in Final cut p	0
CO-5 Creating a motion teaser/short film/documentaries.	
BSA 561 CO-1 Understanding web technologies and basic of web design	
CO-2 Analyzing the use of HTML and CSS to making the web sites	
CO-3 Analyzing the UI/UX basics and designing.	
CO-4 Applying the various techniques of UI/UX for designing	

	CO-5	Creating the design of a web site using Different techniques of web designing
BSA 562	CO-1	Understanding the print designs and technologies using Adobe Indesign and coral draw.
	CO-2	Analyzing the document for designing, drawing and colors tools used in
	60.2	designing.
	CO-3	Analyzing to create resume, brochure, leaflet, magazine.
	CO-4	Applying the various tool (Adobe Indesign and Coraldraw) to create print designs.
	CO-5	Creating the resume, brochure, leaflet, magazine using print design techniques.
BSA 560	CO-1	Understanding the node based compositing systems
	CO-2	Analyzing to use open poly support feature to enhance the rotoscopy skills
	CO-3	Analyzing 3D compositing techniques such as camera projection, 3D particles
	CO-4	Applying to use VFX features and create shorts like Gravity films.
	CO-5	Creating a vfx shot using different 3D compositing techniques such as
		camera projection, 3D particles.
BSA 608	CO-1	Understanding the basic concepts of Augmented reality
	CO-2	Understanding the basic concepts of Virtual reality
	CO-3	Analyzing the different tools and frameworks in virtual reality
	CO-4	Analyzing the different tools and frameworks in Key Technology in AR.
	CO-5	Applying the VR in 3D visual Shot creation
BSA 610	CO-1	Understanding the knowledge about cinema 4D software
	CO-2	Understanding the Knowledge about modeling & 3D motion graphics
		element
	CO-3	Understanding the creation 3D design using Cinema 4D
	CO-4	Applying different techniques using Cinema 4D to create 3D motion graphics and elements
	CO-5	Applying the various Techniques and tools in cinema4D.
BSA 609	CO-1	Understanding the concept of dynamics and n-Dynamics in Maya
	CO-2	Understanding various attributes of Fur node in Maya
	CO-3	Understanding with liquid simulation using Realflow.
	CO-4	Applying real time Hair for 3D characters and real cloths for Animation using n-Cloth feature of Maya
	CO-5	Applying fur for animals models.
	CO-6	Applying special effects using Maya Particles and n-Particles such as water, fire smoke etc.
BSA 607	CO-1	Understanding the basic concepts of production pipeline.
	CO-2	Understanding various departments of 3d animation studio.
	CO-3	Understanding pre production pipeline for using story, script, character designing, background and layouts, staging Storyboarding, voice over,
		Background audio, animatic,
	CO-4	Applying the production process pipeline for character modeling, texturing and Shading, background creation, props Modeling, Rigging,
		Character animations, lighting the scenes

	CO-5	Applying the post production pipeline used for rendering in 3D animation
BSA 658	CO-1	Understanding the basic concepts of Augmented reality
	CO-2	Understanding the basic concepts of Virtual reality
	CO-3	Analyzing the different tools and frameworks in virtual reality.
	CO-4	Analyzing the different tools and frameworks in Key Technology in AR
	CO-5	Creating an Animation video using VR and AR
BSA 661	CO-1	Analyzing the knowledge about cinema 4D software
	CO-2	Analyzing the Knowledge about modeling & 3D motion graphics element
	CO-3	Analyzing the creation 3D design using Cinema 4D
	CO-4	Applying different techniques using Cinema 4D to create 3D motion
		graphics and elements
	CO-5	Creating a final output in cinema 4D
BSA 659	CO-1	Understanding the concept of dynamics and n-Dynamics in Maya
	CO-2	Applying various attributes of Fur node in Maya.
	CO-3	Applying fur for animals models.
	CO-4	Applying real time Hair for 3D characters and real cloths for Animation
		using n-Cloth feature of Maya
	CO-5	Creating special effects using Maya Particles and n-Particles such as water, fire smoke etc
	CO-6	Creating liquid simulation using Realflow
BSA 660	CO-1	Applying the production pipeline concepts to create an animated Short film.
	CO-2	Applying the various types of 3D animation tool and techniques to create
		project
	CO-3	Applying the basic concepts of animation tools available in Maya
	CO-4	Applying the Animation and rigging process into the project.
	CO-5	Creating animated video uses various 3D animation tools.