Title	Mandatory/ Optional	Estimated size (learning hours)
MAT.O1.R0: Introduction to Information Technology	Mandatory	150
MAT.O2.R0: Introduction to Multimedia	Mandatory	150
MAT.O3.R0: Multimedia Processing Techniques	Mandatory	150
MAT.O4.R0: Multimedia Design Principles and Applications	Mandatory	150
Project Work	Mandatory	120

MAT.O1.R0: Introduction to Information Technology

Module Duration : 150 Hours

Objective: The objective of this module is to provide an introduction to Information Technology and IT Tools. The students will become IT literate, and will understand the basic IT Terminology. The students will be able to understand the role of Information Technology and more specifically computers, communication technology and software in the present social and economic scenario.

Learning Outcomes:

After successful completion of the module, the students shall be able to:

- Demonstrate an understanding of the basic structure of a computer and apply data conversion techniques
- > Demonstrate an understanding of basic architecture of a computer and acquire skills on handling input/output devices, ports and interfaces
- > Acquire skills on working with various operating system environments(Windows/Linux/Mac)
- Acquire skills on using office automation tools
- > Update oneself with Intellectual Property and prevailing copyright issues
- ➤ Demonstrate an understanding of the features of various handheld devices and acquire skills on mobile applications development principles
- ➤ Acquire skills on basic networking and internet technologies
- > Acquire skills on usage of social networks and appreciate the role of IT in society

MAT.O2.R0: Introduction to Multimedia

Module Duration : 150 Hours

Objective: The objective of this module is to provide concept about an application, which uses a collection of multiple media sourcese.g. text, graphics, images, audio, animation and video. Students will learn about multimedia, which is a field concerned with the computer controlled integration of text, graphics, drawings, still and moving images (Video), animation, audio and any other media where every type of information can be represented, stored, transmitted and processed digitally.

Learning Outcomes:

After successful completion of the module, the students shall be able to:

- > Acquire a basic understanding of Multimedia systems and its applications including requirements of Multimedia communication systems
- Acquire skills on Multimedia objects and its representation
- Acquire basic skills on Multimedia editing techniques
- ➤ Acquire basic skills on Multimedia compression technologies
- Acquire basic skills on Multimedia application design techniques
- Acquaint oneself with various Multimedia Authoring and Publishing Tools

MAT.O3.R0: Multimedia Processing Techniques

Module Duration: 150 Hours

Objective: The objective of this module is to provide baisc skills about processing and editing of multimedia content with more emphasis on image processing. The students will acquire requisite skills to create, edit and modify the multimedia content using different software tools.

Learning Outcomes:

After successful completion of the module, the students shall be able to:

- Acquire basic understanding of Image and its representation
- Acquire basic understanding of digital representation of color
- ➤ Acquire skills on image capture concepts and techniques
- Acquire basic understanding of image and slide scanning
- Acquire skills on Image Processing Techniques and Concepts
- ➤ Acquire basic understanding of Scalable Vector Graphics
- > Acquire basic understanding of MIDI
- ➤ Acquire skills on Image Editing techniques
- Acquire skills on graphic and image pattern generation
- ➤ Acquire skills on Sound Editing techniques
- ➤ Acquire skills on Video Editing techniques

MAT.O4.R0: Multimedia Design Principles and Applications

Module Duration: 150 Hours

Objective: The objective of the module is to impart the students the skills to use visually rich and dynamic graphic elements to enhance web pages and sites. Advanced concepts on page layout and site optimization will be imparted with emphasis on principles used to craft dynamic web pages that get noticed. Exercises and projects will allow students to apply the principles of web design to thier own sites that will be developed using interactive multimedia elements.

Learning Outcomes: After successful completion of the module, the students shall be able to:

- ➤ Acquire basic understanding of Design and its need
- > Acquire skills on Visual Design Elements and its methodologies
- Acquire skills on Human Computer Interface Design principles
- > Apply Information Architecture principles in Multimedia Design
- ➤ Acquire skills on Animation Design principles
- Acquire skills on application of Visual Effects in Multimedia Design
- > Implement the multimedia design principles and applications with examples/case studies

Detailed Curriculum

Name of the Component: Introduction to Information Technology (MAT.O1.R0)

: Computer Appreciation	
: 10 Hours	
· Computer Fundamentals	
: Computer Fundamentals	
Contents	Hrs.
What is computer? Pagic structure of	5
•	J
Number system, representation of	
visual data	
Binary to Decimal Conversion,	5
· • • • • • • • • • • • • • • • • • • •	
,	
. Computer Organization	
: 25 Hours	
: CPU, Memory, Input & Output Device	es, Ports
& Interfaces, Computer Software	
Contents	Hrs.
· ·	
· · · · · · · · · · · · · · · · · · ·	6
Register, Concept of processor	
speed, illustration with popular	
processors, Basic introduction to	
GPU	
Memory Organization, RAM,	
Read Only Memories, Flash	3
Memory, Basics of other storage	
devices-HDD,CD/DVD, Blue-	
Ray, Magnetic Tape	
Keyboard, Mouse, microphone	
,trackball, joystick, scanner,	3
OMR, Bar/QR Code Reader,	
MICR Digitizer, Card Reader,	
Cameras, fingerprint scanner and	
1 4 1 1 1 1 1	
other biometric devices	
Other biometric devices Display(CRT,LCD,LED),Printers-	
	: Computer Fundamentals Contents What is computer? Basic structure of computer Data representation in computer, Binary number system, Hexadecimal Number system, representation of visual data Binary to Decimal Conversion, Binary Coded Decimal, ASCII Code, UNICODE. : Computer Organization : 25 Hours : CPU, Memory, Input & Output Device & Interfaces, Computer Software Contents Fundamentals of Control Unit, Arithmetic Unit, Instruction Set, Register, Concept of processor speed, illustration with popular processors, Basic introduction to GPU Memory Organization, RAM, Read Only Memories, Flash Memory, Basics of other storage devices-HDD,CD/DVD, Blue-Ray, Magnetic Tape Keyboard, Mouse, microphone ,trackball, joystick, scanner, OMR, Bar/QR Code Reader, MICR Digitizer, Card Reader, Cameras, fingerprint scanner and

	Projector & Visualiser	3
	Carial and Day 11-1 Days	
	Serial and Parallel Ports,	~
	Connectors: DIN, RCA, AV; USB,	5
	Firewire (IEEE 1394),HDMI	
	Relationship between Hardware	
	and Software; System Software,	5
	Application Software, Compiler,	
	Assemblers, Linkers & Loaders	
Name of Unit of	: Operating Systems	
Qualification	20.77	
Duration	: 30 Hours	
Topics	: Basic Concepts of OS, Case Study	
Learning Outcome (NO)	Topics	Hours
Acquire skills on working	Functions of OS; Basic concept of	
with various operating	resource management, CPU, memory,	10
system environments	I/O; Power up process: BIOS,	
(Windows/Linux/Mac)	Bootstrap Loader, File systems and	
	User Management	
	Case Study on the following OS:	
	1 Microsoft Windows	
	1. Microsoft Windows: An overview of different versions of	
	Windows, Basic Windows Elements,	
	File Management through Windows.	
	Using essential accessories, Systems	20
	Tools-Disk Cleanup, Disk	-
	Defragmenter	
	2. Linux :	
	An overview of Linux, Basic Linux	
	elements: System Features, Software	
	Features, File structure, File Handling	
	in Linux	
	2 Mar Frainc	
	3.Mac Environment: Overview of Mac OS, Features of the	
	Mac OS. File and User Management,	
	GUI and Mac Devices and Tools	
	ST and True Devices and 10015	
Name of Unit of	: Office Automation	
Qualification		
Duration	: 35 Hours	
Topics	: Word Processing, Spreadsheets, Present and Publishing Tools	ationation
Performance	Contents	Hrs.
Criteria(OUTCOME) No.		
Acquire skills on using	Basics of Word Processing	15
office automation tools	Rasics of Spreadsheats	10
	Basics of Spreadsheets	

	Basics of Presentation and	10
	Publishing Tools	
Name of Unit of	: Intellectual Property Right and Copyr	ight Issue
Qualification		
Duration	: 10 Hours	
Topics	: Intellectual Property Rights, Copyrigh Elements & Protection	t
Performance Criteria (OUTCOME) No.	Contents	Hrs.
Update oneself with	Introduction to Intellectual	10
Intellectual Property	Property Right and Copyright	
and prevailing	Issue, Exceptions to Copyright	
copyright issues	Protection, Guidelines for	
	Clearance, Copyright	
	Elements, Payments, Collaboration	
Name of Unit of	: Handheld Devices(Mobiles and Tabs)	<u> </u>
Qualification		
Duration	: 10 Hours	
Topics	:Handheld Devices, Apps and popular	
•	applications	
		T
Performance	Contents	Hrs.
Criteria(OUTCOME) No.		
Demonstrate an	Features of different Handheld	5
understanding of the	Devices like –mobile phone,	
features of various handheld devices and	smart phone, Tablets, Introduction	
acquire skills on mobile	to Android as OS for Handheld	
applications development	Devices.	
principles	Concepts of Apps, some popular	5
	applications.	
Name of Unit of Qualification	: Basic Networking & Internet	
Duration	: 20 Hours	
Touring	Justom et Ductore le OCI	
Topics	:Internet, Protocols, OSI Layers, IPV4, IPV6, Wireless Communic	pations
Performance	Contents	Hrs.
Criteria(OUTCOME)	Continu	1113.
No. Acquire skills on basic	Overview of the internet,	
networking and internet	protocols, basic definition:	4
technologies	* ·	7
	networks and topologies, access	
	networks and physical media,	
	concept of OSI protocol layers.	
	TCP/IP(features of IPV4,IPV6),	

	WWW, FTP, Email, DNS, ISP, Concept of multimedia streaming	8
	Basics of Wireless Communications, Introduction to Wi-Fi, Bluetooth, GSM, CDMA,GPRS, 3G,4G	8
Name of Unit of Qualification	: Information Technology & Society	
Duration	: 10 Hours	
Topics	: Social Networks, e-Governance, e-Commerce, e-Learning, IT-ethics	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire skills on usage of social networks and appreciate the role of IT in society	Social Networks, e-Governance, e-Commerce, e-Learning, IT- ethics	10

Name of the Component: Introduction to Multimedia (MAT.O2.R0)

Name of Unit of Qualification	: Introduction to Multimedia	
Duration	: 20 Hours	
Topics	: Multimedia Objects, Components of Multime Systems, features and its communication	dia
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire a basic understanding of Multimedia systems and its applications including requirements of Multimedia communication systems	Definition of Multimedia, Multimedia Objects: Text, Graphics, Animation, Audio, Images, Video. Definition of Hypertext and Hypermedia. Applications in Education, Entertainment, Advertising World	10
	Components of a Multimedia System, Desirable features for a multimedia system, requirements of multimedia communication	10
Name of Unit of Qualification	: Representation of Multimedia Objects	
Duration	: 45 Hours	
Topics	: Analog Signals, Text, Graphics, Image, Audio, Video	
Performance Criteria (OUTCOME) No.	Contents	Hrs.
Acquire skills on Multimedia objects and its representation	Representation of Analog Signals, A/D: Sampling and quantization	4
	Text: Font and their representation (bimap, true type)	7
	Graphics: Raster and Vector representation, aliasing problems	7
	Image: (bit depth, resolution, color(RGB,CMYK,HSB),introduction to BMP,GIF,TIFF,PNG and JPEG Formats	7
	Audio (speech and wideband audio, sampling rate and aliasing, quantisation, introduction to MP3, WMA, WAV, MIDI etc.	10

	XY:1 (C	
	Video (frame rate and resolution,	
	interlaced and non-interlaced video,	
	colour planes(YCBCR,YUV),Video	
	broadcast standards(PAL, ntsc,	10
	secam), HD Video,3D TV, Video	-
	representation: AVI, MPEG, Quick	
	Time, real video(.rm)	
Name of Unit of	: Concepts of Multimedia Editing	
Qualification	. Concepts of Multimedia Editing	
Duration	: 30 Hours	
	. So Hours	
Topics	: Image Editing, Video Editing, Subtitling	
Learning Outcome (NO)	Topics	Hours
Acquire basic skills on	Digital Audio, Music Sequencing and	30
Multimedia editing	Notation, Image/Graphics Editing, Video	50
techniques	Editing(Linear, Non-Linear), Subtitling	
Name of Unit of	: Introduction to compression technology	
Qualification	. Introduction to compression technology	
Duration	: 15 Hours	
Topics	: Basics of Image Compression ,Audio and Video Compression	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire basic skills on	Concept of lossy and lossless	
Multimedia compression	compression, Concept of rate-	
technologies	distortion characteristics, Basic s of	15
······································	image compression, Basics of audio	
	compression and Basics of video	
	1	
NI ONI 4 O	compression	
Name of Unit of	: Multimedia Application Design	
Qualification Duration	: 15 Hours	
Topics	: 15 Hours : Content Design, Technical Design, Visual	
Topics	Design ,Design Metaphors	
Performance Criteria	Contents	Hrs.
(OUTCOME) No.		AAA D•
Acquire basic skills on	Content design, technical design,	15
Multimedia application	visual design, design metaphors,	
design techniques	example studies, interactivity	
Name of Unit of	: Multimedia Authoring and Publishing	
Qualification		
Duration	: 25 Hours	
Topics	: Authoring System, Online Publishing and	
- · Pres	Offline Publishing	

Performance	Contents	Hrs.
Criteria(OUTCOME)		
No.		
Acquaint oneself with	Definition of an Authoring System,	25
various Multimedia	uses of an authoring system,	
Authoring and Publishing	Definition and functioning of	
Tools	Authoring Metaphor, Different	
	Metaphors	
	Offline Publishing: Flash, Power	
	Point	
	Online Publishing: HTML	
	5,Dreamweaver	

Name of the Component: Multimedia Processing Techniques (MAT.O3.R0)

Name of Unit of Qualification	: Introduction to Multimedia Processing	
Duration	: 05 Hours	
Topics	: Raster Graphics, Vector Graphics, Digital Image Representation	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire basic understanding of Image and its representation	Definition of Image, Raster Graphics, Vector Graphics, Digital Image Representation, Bit allocation for intensity range	05
Name of Unit of Qualification	: Digital Representation of Color	
Duration	: 5 Hours	
Topics	: Color Models(RGB,CMYK,HSV Palette	7), Color
Performance Criteria (OUTCOME) No.	Contents	Hrs.
Acquire basic understanding of digital representation of color	Basic Color Models (RGB,CMYK,HSV) and their use, Color Characteristics, Color Palette, Monitor Vs Print Display	5
Name of Unit of Qualification	: Image Capture	
Duration	: 5 Hours	
Topics	: Exposure, Aperture, Resolution, Focal Length	
Learning Outcome (NO)	Topics	Hours
Acquire skills on image capture concepts and techniques	Exposure, Aperture, Field of view, resolution, focal length	5
Name of Unit of Qualification	: Scanning	
Duration	: 5 Hours	

Topics	: Image and Slide Scanning	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire basic	Basic Principles of Image	05
understanding of image	and Slide Scanning	
and slide scanning	and since Seaming	
Name of Unit of	: Image Processing	
Qualification	. Image 1 focessing	
Duration	: 10 Hours	
Topics	: Thresholding, Histogram Manipu	ulation, Filters
Performance Criteria (OUTCOME) No.	Contents	Hrs.
Acquire skills on Image	Thresholding, Intensity	10
Processing Techniques and	Histogram, Histogram	
Concepts	Manipulation for Image	
	enhancement, Basic Low	
	pass, high pass, Filters:	
	median filtering, layer,	
	Image	
	Manipulation(cropping,	
	scaling, rotation),Bitmap	
	Image Editing	
	image Editing	
Name of Unit of Qualification	: Scalable Vector Graphics	
Duration	: 5 Hours	
Topics	: SVG Elements, SVG Shapes, Gr	adients
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire basic understanding of	Introduction, Why SVG,	5
Scalable Vector Graphics	Use of SVG in HTML,	
	SVG Elements, SVG	
	Shapes, Filters, Effects,	
	Gradients- Linear and Non	
	Linear	
Name of Unit of	: Introduction to MIDI	
Qualification	: 5 Hours	
Duration	. 3 mours	
Topics	: MIDI Interfaces, MIDI Instruments, MIDI File Formats	
Performance	Contents	Hrs.
Criteria(OUTCOME) No.		
Acquire basic understanding of MIDI	Definition, MIDI Interfaces, MIDI Instruments, MIDI	5

	File structures, MIDI File		
	Formats		
Name of Unit of Qualification	: Image Editing		
Duration	: 50 Hours		
Topics	: Masks and Channels ,Retouching Painting and Editing, Basic Pen T Creating Special Effects		
Performance Criteria(OUTCOME) No.	Contents	Hrs.	
Acquire skills on Image Editing techniques	Working with masks and channels, a quick mask, Editing a quick mask a selection as a mask, editing a mask. Loading a mask as a selection and a effects, creating a gradient mask, lo gradient mask as a selection and apperfects	, Saving k, pplying ading the plying	
	Using the Clone stamp tool for repa the pattern Stamp tool to create, Usi Healing Brush and Healing Patch to flaws, History palette and snapshots	ing the 10	
	Using the Photoshop paint engir blending modes, painting shad highlights, smoothing the edges of Using the History brush, Brush painting with specialty brushes, toolor and swatch palettes, additibraries, saving customized present Image and canvas size, creating and with custom brushes, Pattern Maker	ows and of strokes, n palette, Using the 10 ng brush t brushes, d painting	
	Drawing paths with the pen tool, drawing traight paths, drawing curved paths combining straight and curved lines a path around artwork, Using keybo shortcuts	s, drawing 10	
	Automating multi-step tasks, pla batch-playing actions, Using guide and loading a selection, Hand selections on a layer, combining an selections, colorizing a selection, color balance, applying filters, co cutout effect, Improving performa	d moving adjusting areating a	

	filters	
Name of Unit of Qualification	: Image and Graphic Pattern Generation	
Duration	: 25 Hours	
Topics	:Creating basic shapes, working with brushes, tra objects, blending shapes and colors, creating laye watercolour effects, printing artwork & producing separations, drawing cylinders and boxes, prepara for web publication	ers, creating g color
Performance Criteria	Contents	Hrs.
Acquire skills on graphic and image pattern generation	Setting up the document, using the tools, drawing shapes, painting artwork, copying & scaling shapes, painting, filling with color, stroking with color, building a custom palette, copying paint attributes, saturating colors, painting with patterns and gradients, painting with a pattern brush, drawing with the pen, drawing straight lines, drawing curves, editing curves	3
	Using the art brushes, using scatter brushes, changing the color attributes of brushes, using a fill color with brushes, using calligraphic brushes, using pattern brushes, creating brushes	3
	Scaling objects, rotating objects, distorting objects, changing the perspective, using the free transform tool, making multiple transformations	3
	Creating a gradient fill, adjusting the direction of gradient blend, adding colors to a gradient, creating smooth color blends, creating shapes with pathfinder, uniting shapes, intersecting objects, trimming objects, blending colors with the soft mix and hard mix command, dividing shapes with the divide command	3
	Moving objects and layers, locking layers, viewing layers, pasting layers, merging layers	2
	Setting smart guide preferences, painting	3

	with the gradient mesh tool, specifying the	
	number of mesh lines, applying colors to the	
	mesh, highlighting a mesh object ,editing	
	mesh points, reflecting mesh objects,	
	modifying mesh lines	
	Drawing three dimensional objects, drawing	2
	cylinders, drawing boxes	
	Overview of printing, color management,	
	printing B & W proofs, creating color	
	separations, working with two-color	
	illustrations, creating a trap, overprinting	3
	objects, Vector vs Bitmap, placing a	
	Photoshop file, copying a placed image,	
	masking an image, sampling colors in placed	
	images, replacing a placed image	
	Optimizing images for the web, exporting	
	flat color artwork, exporting continuous tone	2
	and gradient artwork, linking objects in an	3
	image map to URLs	
Name of Unit of Qualification	: Sound Editing	
Duration	: 15 Hours	
Topics	: Sound Editing Software, Editing Sound Files, Dubbing	
Performance	Contents	Hrs.
Criteria(OUTCOME) No.		
Acquire skills on Sound Editing	Introduction to Sound Editing Software,	15
techniques	Working with existing sound files, adding effect,	
	recording sound clips, Dubbing	
Name of Unit of	: Video Editing	1
Qualification		
Duration	: 20 Hours	
Topics	: Video Editing Tools, Importing and capturing	
	projects, editing techniques, video effects	
Performance	Contents	Hrs.
Criteria(OUTCOME) No.		
Acquire skills on Video Editing	Introduction to video editing tools, importing	20
techniques	and capturing projects, working with clips,	
	editing techniques, transitions, video effects	

Name of the Component: Multimedia Design Principles & Applications (MAT.O4.R0)

Name of Unit of Qualification	: Design Overview		
Duration	: 15 Hours		
Topics	: Design and its needs, Learning and Learning Modes, System Quality, Elements of user Interface		
Performance Criteria(OUTCOME) No.	Contents	Hrs.	
Acquire basic understanding of Design and its need	Need for design, Human Factors ,Fundamentals of Human Perception, Human skill level and behavior, dialogues and tasks, learning and learning modes, Cognitive Domain Learning, Affective and Psychomotor Domain Learning, Multimedia Educational Software, Modeling, System Quality, Elements of user interface	15	
Name of Unit of Qualification	: Elements of Visual Design		
Duration	: 30 Hours		
Topics	: Visual Design Elements, Visual rhetoric, Visual Design Methodology		
Performance Criteria (OUTCOME) No.	Contents	Hrs.	
Acquire skills on Visual Design Elements and its methodologies	Introduction to basic visual elements shape, colour, texture, layout, more framing, surfaces, visual hierarch typography. Elements of compositive rhetoric, organizing information, designers consider when creating and visual design, designing for support spatial relationships in the interface and semiotics in the interface. Visual design, consistency appearance, visual coding layout	otion, ation, ation, visual factors factors fillustration faceen, face, symbols factors fillustration face, symbols factors fillustration face, symbols factors fillustration factors fillustration face, symbols factors fillustration factors factors fillustration factors factors fillustration factors fa	
Name of Unit of Qualification	: Human Computer Interface Des	sign	
Duration	: 25 Hours		
Topics	: Information Design, User Interfa Cognitive Walkthrough	ace Design,	

Learning Outcome (NO)	Topics	Hours
Acquire skills on Human	Information Design, interaction and sensorial	25
Computer Interface Design	design, guidelines for user interface design,	
principles	dialogue design, Cognitive walkthrough- case	
NI	studies/examples-Different Android Applications : Information Architecture	
Name of Unit of Qualification	: information Architecture	
Duration	: 20 Hours	
Topics	: Story, Flowchart, Scripts, Storyboard	
Performance	Contents	Hrs.
Criteria(OUTCOME) No.	Definitions of story flowshort comints	20
Apply Information	Definitions of story, flowchart, scripts,	20
Architecture principles in	storyboard. Necessity of the pre-production	
Multimedia Design	documentations, Interactive Flowchart and	
Nome of Hett -f	storyboard. Examples and case studies.	
Name of Unit of Qualification	: Animation Design	
Duration	: 25 Hours	
Topics	: 2D Design Concepts, Principles of animation, Editing & Animatics, Designing Characters	
Performance Criteria	Contents	Hrs.
(OUTCOME) No.		25
Acquire skills on Animation	Introduction & Learning perspective	25
Design principles	drawing-Drawing for Animation: Gesture	
	Drawing, Action Drawing, Line of Action,	
	Dynamic Poses, Action Sketches	
	• 2D Design concepts & composition	
	Principles of Animation	
	 Process of 2D Animation Film Making 	
	Editing & Animatics	
	Input Sound, Sound Effects-Sound	
	Recording	
	Designing, Developing Characters	
Name of Unit of	: Visual Effects	1
Qualification Duration	: 20 Hours	
Topics	: Examples of Visual Effects, fade-in/ fade-out, motion blur	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Acquire skills on application of Visual Effects in Multimedia	What are visual effects, when to use visual	20

Design	effects, examples of visual effects-glare	
	effect, fade-in/fade-out, motion blur	
Name of Unit of	: Design Application Examples / Case Studies	
Qualification		
Duration	: 15 Hours	
Topics	: Design Specifics, Screen Layout Designs, Human Computer Interaction, Hypermedia & Navigation	
Performance Criteria(OUTCOME) No.	Contents	Hrs.
Implement the multimedia	Need for design, design specifics, scripts,	