

7354

Course: BCA
Sub Code: 4BCA5 (B)

Semester: IV
Subject Name: Multimedia

Unit	Lectures	Practical's	Workshops	Demo	Field Visits	Total Hours	Remarks
UNIT -I Introduction to Multimedia: Needs and areas of use, Development platforms for multimedia, Identifying Multimedia elements Text, Images, Sound, Animation and Video, Making simple Multimedia with PowerPoint. Concepts of plain & formatted text, RTF & HTML texts, Object Linking and Embedding concept.	8	4				12	
UNIT -II Sound and it Attributes, Mono V/S Stereo Sound, Sound Channels, Sound and Its Effect In Multimedia, Analog V/S Digital Sound, Overview Of Various Sound File Formats On PC WAV, MP3.	8	4				12	
UNIT -III Importance of Graphics in Multimedia, Vector and Raster Graphics, Image Capturing Methods Scanner, Digital Camera Etc. Various Attributes of Images Size, Color, Depth , Resolution etc, Various Image File Format BMP, DIB, EPS, PIC, and TIF Format Their Features and imitations, Basics of animation, , Software Tools for animation.	8	4				12	
UNIT -IV . Basics of Video Analog and Digital Video, How to use video on PC. Introduction to graphics accelerator cards, Brief note on various video standards NTSC, HDTV, Introduction to video capturing Media & instrument Videodisk.	8	4				12	
UNIT -V Virtual Reality Terminology Head Mounts Display (HMD), Boom, Cave, Input Devices and Sensual Technology, Characteristic If Immersive VR Shared Virtual Environments.	8	4				12	
TEXT & REFERENCE BOOKS: <ul style="list-style-type: none"> • <i>MULTIMEDIA: MAKING IT WORK (4TH EDITION) BY THYVAUGHAN, TATA MCGRAW HILLS.</i> • <i>MULTIMEDIA IN ACTION JAMES E SHUMAN VIKAS PUBLISHING HOUSE.</i> • <i>MULTIMEDIA BASICS VOLUME / TECHNOLOGY, ANDREAS HOI ZINGER, FIREWALL MEDIA (LAXMI PUBLICATIONS PVT. LID) NEW DELHI.</i> 							