

Doc. No.: DCE/0/10
 Revision : 01

Session Plan & Execution

Faculty:-Mr. Vishal Bharti

Semester:- V

Class:- CSE-II

Course Code:- IT-204E

Course Title:- Multimedia Technologies

Plan					Execution			
S. No.	Week & Month	Lecture	Unit	Topic	Status	Date	Period	Sign
1	I- Aug	1	I	Brief Introduction of the Syllabus				
2	I-Aug	2	I	Basics of Multimedia Technology, Computers, Communication & Entertainment; Multimedia an Introduction				
3	II-Aug	3	I	Framework for Multimedia Systems; Multimedia Devices, CD-Audio, CD-I, Presentation devices & the User Interface				
4	III-Aug		I	-----Test-1-----				
5	III-Aug	4	I	Multimedia Presentation and Authoring, Professional development tools				
6	IV- Aug	5	I	LAN, Internet, WWW & Multimedia Distribution network- ATM & ADSL ; Multimedia Server & databases				
7	I-Sept	6	I	Vector Graphics; 3-D Graphics Program, Animation Techniques, Morphing, Anti-aliasing, Video on demand				
8	II- Sept	7	I	Review of Unit –I				
9	II- Feb	1	II	Introduction to Images Compression & Standards				
10	III- Sept	2	II	Making Still Images, editing & capturing images, Scanning images, Colour Palette, 3-D Drawing & rendering				
11	III- Sept	3	II	JPEG-Objectives and architecture, JPEG-DCT encoding and quantization				

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12	IV- Sept	4	II	JPEG- Statistical coding, JPEG predictive lossless coding, JPEG performance, various Image Formats- GIF, TIFF, BMP, PNG, etc				
13	I- Oct	5	II	Review of Unit –II				
14	I- Oct	1	III	Introduction to Audio & Video. Digital representation of Sound, time domain sampled representation				
15	I- Oct		II+III	-----Test-2-----				
16	II- Oct	2	III	Method of encoding the analog signals, sideband coding, fourier method; transmission of digital sound; stereophonic & quadraphonic.				
17	III- Oct	3	III	MPEG Audio; Audio Compression & Decompression; Brief survey of speech recognition and generation, Audio Synthesis				
18	III- Oct	4	III	MIDI, Digital Video and Image Compression; MPEG motion video compression standard; DVI technology				
19	III- Oct	5	III	Time based media presentation and delivery				
20	III- Oct	6	III	Review of Unit – III				
21	IV- Oct	1	IV	Introduction to Virtual Reality; VR Operating Systems				

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22	IV- Oct	2	IV	Applications of Multimedia. Intelligent Multimedia System				
23	IV- Oct		IV	-----Test-3-----				
24	I- Nov	3	IV	Virtual environment displays and orientation making				
25	II- Nov	4	IV	Visually Coupled System requirements; Intelligent VR Software Systems; Applications of environment in various fields				
26	II- Nov	5	IV	Review of Unit – IV				