

**KSKV Kachchh University**  
**Program: PGDCA**  
**Semester: I**

<b>Paper Code:</b> CECS101	<b>Total Credit : 4</b> <b>Total Marks : 70</b> <b>Time : 3 Hrs</b>
<b>Title of Paper:</b> Multimedia Application Development	

<b>Unit</b>	<b>Description</b>	<b>Weighting</b>
I	<b>Introduction</b> Multimedia : meaning Various facets of multimedia : audio, text, graphics, animation, video Classification of multimedia technology Multimedia: hardware/software essentials, different categories of multimedia software.	20%
II	<b>Working with Audio, Text and Graphics</b> Multimedia audio : introduction, digital audio and sound card fundamentals, sound card functionalities, audio jacks, connectors, digital audio playback, audio editing Multimedia text : introduction, designing text for multimedia, hypermedia, hypertext Multimedia graphics : introduction, basic concepts of color displays, monitor video modes, color monitors and their parameters, graphics in multimedia projects	20%
III	<b>Working with Video</b> Multimedia video : introduction, video in multimedia projects, digital video fundamental, full motion and full screen videos, digital video files sizes, digital video production techniques – video production in multimedia, shooting the sequences, video capture techniques, video capture boards, video capture software, editing video, embedding sound clips	20%
IV	<b>Working with Animation</b> Multimedia Animation : introduction, classifications, two-dimensional animation and three dimensional animation technology, animation development process, names of animation software tools for 2D and 3D	20%
V	A brief Introduction to Flash, Flash Movie development, Seating of Document Property, Creating share with oval tool, Adding text to button, Converting a share into symbol, Editing buttons symbols, Adding key frame, Verifying changes with Test Movie, Adding layers to a movie, Viewing layers in the Timeline, Working with layers, Create Graphic symbols, Insert Instance, Motion Tweezing, Motion Tween settings.	20%

<b>Basic Text &amp; Reference Books :-</b>	
1.	Multimedia Magic. By S. Gokul, BPB Publications, 1998.
2.	Introduction to Multimedia : By Ana Weston Solomon, Tata McGraw-Hill Publishing Company Limited, 2005

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<b>Unit</b>	<b>Description</b>	<b>Total Marks</b>
I	Q.1(A) Short / Medium Questions (With Internal Option)	06
	Q.1(B) Short / Medium Questions (With Internal Option)	08
II	Q.2(A) Short / Medium Questions (With Internal Option)	06
	Q.2(B) Short / Medium Questions (With Internal Option)	08
III	Q.3(A) Short / Medium Questions (With Internal Option)	06
	Q.3(B) Short / Medium Questions (With Internal Option)	08
IV	Q.4(A) Short / Medium Questions (With Internal Option)	06
	Q.4(B) Short / Medium Questions (With Internal Option)	08
V	Q.5(A) Short / Medium Questions (With Internal Option)	06
	Q.5(B) Short / Medium Questions (With Internal Option)	08