

SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: VI
Syllabus with effect from: November/December-2013

Paper Code: US06EBCA02	Total Credit: 2
Title Of Paper: Multimedia Application Development	

Unit	Description in detail	Weighting (%)
I	Introduction Multimedia : meaning Various facets of multimedia : audio, text, graphics, animation, video Classification of multimedia technology Multimedia : hardware/software essentials, different categories of multimedia software.	25%
II	Working with Audio, Text and Graphics 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 colour displays, monitor video modes, colour monitors and their parameters, graphics in multimedia projects	25%
III	Working with Video and Animation 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 Multimedia Animation : introduction, classifications, two- dimensional animation and three dimensional animation technology, animation development process, names of animation software tools for 2D and 3D	25%
IV	Multimedia Project Multimedia project design concepts – introduction, concept and design, various facets, media content design and development, interface design and development process, Multimedia authoring : introduction, multimedia programming vs. multimedia authoring, selection between authoring and programming tool, authoring methodologies, characteristics of authoring tools	25%

Basic Text & Reference Books :-

- Multimedia Magic. By S. Gokul, BPB Publications, 1998.
- Introduction to Multimedia : By Ana Weston Solomon, Tata McGraw-Hill Publishing Company Limited, 2005

