SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: IV
Syllabus with effect from: June 2019

Paper Code : **US04SBCA21**	**Total Credit: 2**
Title of Paper: **Multimedia Technology**	

Lectures per week   : 2   **Exam Duration: 2 hrs**
All units carry equal weightage.

Unit	Description in detail	Weightage (%)
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** 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.	25%
III	**Working with Graphics and Video** Multimedia Graphics : Introduction, basic concepts of colour displays, color depth, Resolution, Digital Imaging, Camera specification, Graphics editing concepts. 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.	25%
IV	**Multimedia Animation , Project and Authoring** Multimedia Animation : introduction, classifications, two- dimensional animation and three dimensional animation technology, animation development process, names of animation software tools for 2D and 3D Multimedia project design concepts – introduction, concept and design, various facets, media content design and development, interface design and development process. Multimedia authoring : introduction, authoring methodologies, characteristics of authoring tools, Commercial authoring tools.	25%

Basic Text & Reference Books :-

1. Multimedia Magic. By S. Gokul, BPB Publications, 1998 and (Revised and updated Second Edition) 2005.
2. Introduction to Multimedia : By Ana Weston Solomon, Tata McGraw-Hill Publishing Company Limited, 2005