

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
Programme & Subject : B.Sc. CA & IT
Semester – V

US05DIIT21 : Multimedia Technology
(Syllabus Effective from June 2020)

Credits : 2

External : 50 Marks

Contact Hrs per Week : 2

University Examination Duration: 2 Hrs

All units carry equal weightage

Unit	Description
I	Introduction Introduction to Multimedia Digital Media : audio, text, graphics, animation, video Types of Multimedia Applications Multimedia : hardware/software essentials, Multimedia Application
II	Working with Audio, Text and Graphics Multimedia audio : introduction to digital audio and sound card composition and connectivity, Music synthesis, digital audio playback, Digital Audio : editing process , need and editing terminologies Multimedia text : introduction, Text as a part of Multimedia Project, Text designing basics ,effects of poor text content design and display design and parameters that control text design, ,hypermedia, hypertext Multimedia graphics : introduction, basic concepts of colour displays, Color depth, Resolution, colour monitors and their parameters
III	Working with Video and Animation Multimedia video : introduction, Role of digital video in multimedia projects, full motion and full screen videos, digital video production techniques – video shooting , video capture process, video post production Multimedia Animation : introduction, Need for animation , classifications, two- dimensional animation and three dimensional animation technology, animation development process: Phase 1 and Phase 2.
IV	Multimedia Project Multimedia project design concepts – introduction, conceptualization and development, data gathering , developing media content , Designing interface. Multimedia authoring : Introduction,multimedia programming vs. multimedia authoring, authoring methodologies, characteristics of authoring tools, commercial authoring tools.

Basic Text and Reference Books:

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