

TECNIA INSTITUTE OF ADVANCED STUDIES

Grade 'A' Institute

Department of Information, Communication & Technology

Master Of Computer Applications (MCA)

Scheme and Syllabus (w.e.f. Academic Session 2020-21 onwards)

Course Code: MCA-233

Course Name: Multimedia Technologies

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LEARNING OBJECTIVES

In this course, the learners will be able to develop expertise related to the following:-

1. Identify a range of concepts, techniques and tools for creating and editing the

interactive multimedia applications.

2. Identify the current and future issues related to multimedia technology.

3. Identify both theoretical and practical aspects in designing multimedia systems

surrounding the emergence of multimedia technologies using contemporary hardware and software technologies.

PRE-REQUISITES

Basic knowledge of Information Technology

COURSE OUTCOMES (COs)

After completion of this course, the learners will be able to:

CO#	Detailed Statement of the CO	BT Level	Mapping to PO #
CO1	Explain the technical aspects of multimedia systems.	BTL2	PO1, PO2
CO2	Apply various file formats of audio, video and text media in different applications.	BTL3	PO1, PO2, PO3
CO3	Analyze the QoS parameters of various multimedia applications through internet.	BTL4	PO1, PO2, PO3, PO4, PO5, PO6, PO10
CO4	Evaluate different types of multimedia compression methods.	BTL5	PO1, PO2, PO3, PO4, PO5, PO6, PO10
CO5	Design interactive multimedia software applications using animations.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO10
CO6	Develop real-time multimedia applications using different multimedia components.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11