

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-227

Course Name: Web Intelligence and Big Data

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LEARNING OBJECTIVES

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

1. Concepts of web intelligence and big data technologies.
2. Applications of web intelligence capabilities and big data analytics tools.

PRE-REQUISITES

1. Concepts of Web Technology
2. Understanding Database Management Systems

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 fundamentals of web intelligence and big data	BTL2	PO1, PO2
CO2	Understand issues and apply text and Image pre-processing techniques to specific cases.	BTL3	PO1, PO2, PO3, PO6, PO10
CO3	Analyse the key issues in big data management and its associated applications.	BTL4	PO1, PO2, PO3, PO4, PO5, PO6, PO10
CO4	Adapt Hadoop and related big data technologies such as Map Reduce, Pig and Hive in the context of big data management.	BTL6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11