

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- 110

Course Name: Data Warehousing and Data Mining

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LEARNING OBJECTIVES:

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

1. Principles of Data Warehousing and Data Mining.
2. Architecture of Data Warehouse.
3. Various Data pre-processing Methods.
4. Data Mining techniques.

PRE-REQUISITES:

1. Information System Concepts.
2. Database Management System

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	Relate to Data warehouse principles, components and architectures	BTL1	P01, P02, P03
CO2	Demonstrate the necessity of data pre-processing for mining applications	BTL2	P01, P02, P03, P04,
CO3	Apply suitable data mining techniques to solve specific real-world problems.	BTL3	P01, P02, P03, P04, P05, P06, P07, P09, P010
CO4	Compare and evaluate different data warehousing models	BTL5	P01, P02, P03, P04, P05, P06, P07, P09, P010, P011