

TECNIA INSTITUTE OF ADVANCED STUDIES
Grade 'A' Institute
Department of Information, Communication & Technology
Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. AS 2021-22)

COURSE CODE: BCA 302

COURSE NAME: DATA WARE HOUSING AND DATA MINING

LEARNING OBJECTIVES:

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

1. To understand the basic principles, concepts and applications of Data warehousing and ELT tools.
2. Differentiate Online Transaction Processing and Online Analytical processing
3. To understand the Data Mining Process, Technologies & Rules, platform tools and data pre-processing or data visualization techniques
4. Identifying business applications of data mining
5. Develop skills in selecting the appropriate data mining algorithm for solving practical problems

PRE-REQUISITES:

1. Discrete Mathematics
2. Information system concept

COURSE OUTCOMES (COs):

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

CO#	Detailed Statement of the CO
CO1	Understand the various component of Data warehouse.
CO2	Appreciate the strengths and limitations of various data mining and data warehousing models
CO3	Critically evaluate data quality to advocate application of data pre- processing techniques
CO4	Describe different methodologies used in data mining and data ware housing.
CO5	Design a data mart or data warehouse for any organization
CO5	Test real data sets using popular data mining tools such as WEKA