



SARASWATI Education Society's
SARASWATI Institute of Technology

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Information Technology Department

Name of Programme: - IF

Name of Course: - Data warehousing with Mining Techniques(316321)

Course Outcome. – Basics of Data Mining

SEM: - VI (2025 -26)

Assignment No:-3

1. Describe Frequent Item sets, Closed Item sets, and Association Rules in market basket analysis.
2. Explain Apriori algorithm.
3. Explain the technique of Mining Frequent Item sets Using Vertical Data Format.
4. Describe the concept of Mining Closed and Max Patterns.

Last Date of Submission:-

Course Coordinator: - Ms.Vedantika Patil(TYIF)



SARASWATI Education Society's
SARASWATI Institute of Technology

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Information Technology Department

Name of Programme: - IF

Name of Course: - Data warehousing with Mining Techniques(316321)

Course Outcome. – Data Warehouse Modelling – Data Cube and Online Analytical Processing (OLAP)

SEM: - VI (2025 -26)

Assignment No:-2

1. Explain Multidimensional Data Model?
2. Explain Schemas for Multidimensional Data Models.
3. Describe Categorization & Computation
4. Describe OLAP
5. Describe Roll-up operation and Drill down operation with example

Last Date of Submission:-

Course Coordinator: - Ms.Vedantika Patil(TYIF)



SARASWATI Education Society's
SARASWATI Institute of Technology

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Information Technology Department

Name of Programme: - IF

Name of Course: - Data warehousing with Mining Techniques(316321)

Course Outcome. – Basics of Data Warehousing

SEM: - VI (2025 -26)

Assignment No:-1

1. Explain what a Data Warehouse is ?
2. Explain Need of Data Warehousing.
3. Differentiate between Operational Database Systems and Data Warehouses
4. Explain ETL Process
5. Define data pond, data lake, data ocean

Last Date of Submission:-

Course Coordinator: - Ms.Vedantika Patil(TYIF)



SARASWATI Education Society's
SARASWATI Institute of Technology

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Information Technology Department

Name of Programme: - IF

Name of Course: - Data warehousing with Mining Techniques(316321)

Course Outcome. – Classification Techniques

SEM: - VI (2025 -26)

Assignment No:-4

1. Explain Attribute Selection Measures for tree induction.
2. Explain Bayes Classification Method.
3. Apply Rule-Based Classification using IF-THEN for given data.
4. Explain Classification Techniques.

Last Date of Submission:-

Course Coordinator: - Ms.Vedantika Patil(TYIF)