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Syllabus : Data warehousing , Difference between Operational Database system and Data warehouse, Need for data warehousing, A Multi-tiered Architecture of data warehousing, Data warehouse Models : Enterprise Warehouse, Data Mart, and Virtual Warehouse, Extraction, Transformation and Loading, Metadata Repository, Benefits of Data warehousing.

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An Overview, Indexing OLAP Data: Bitmap Index and Join Index, Efficient Processing of OLAP Queries, OLAP Server Architectures : ROLAP Versus MOLAP Versus HOLAP

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UNIT V

Chapter 5 : Mining Frequent Patterns and Cluster Analysis

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 Frequent itemsets mining methods : The apriori algorithm, finding frequent itemsets using candidate generation
 Generating association rules from frequent itemsets, What is cluster analysis? Requirements for cluster analysis, Overview of Basic clustering methods, General applications of clustering.

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