Experiment No. 1

- Select and describe case study -

Topic : Datawarehouse for Laptop Selling Company

Description -

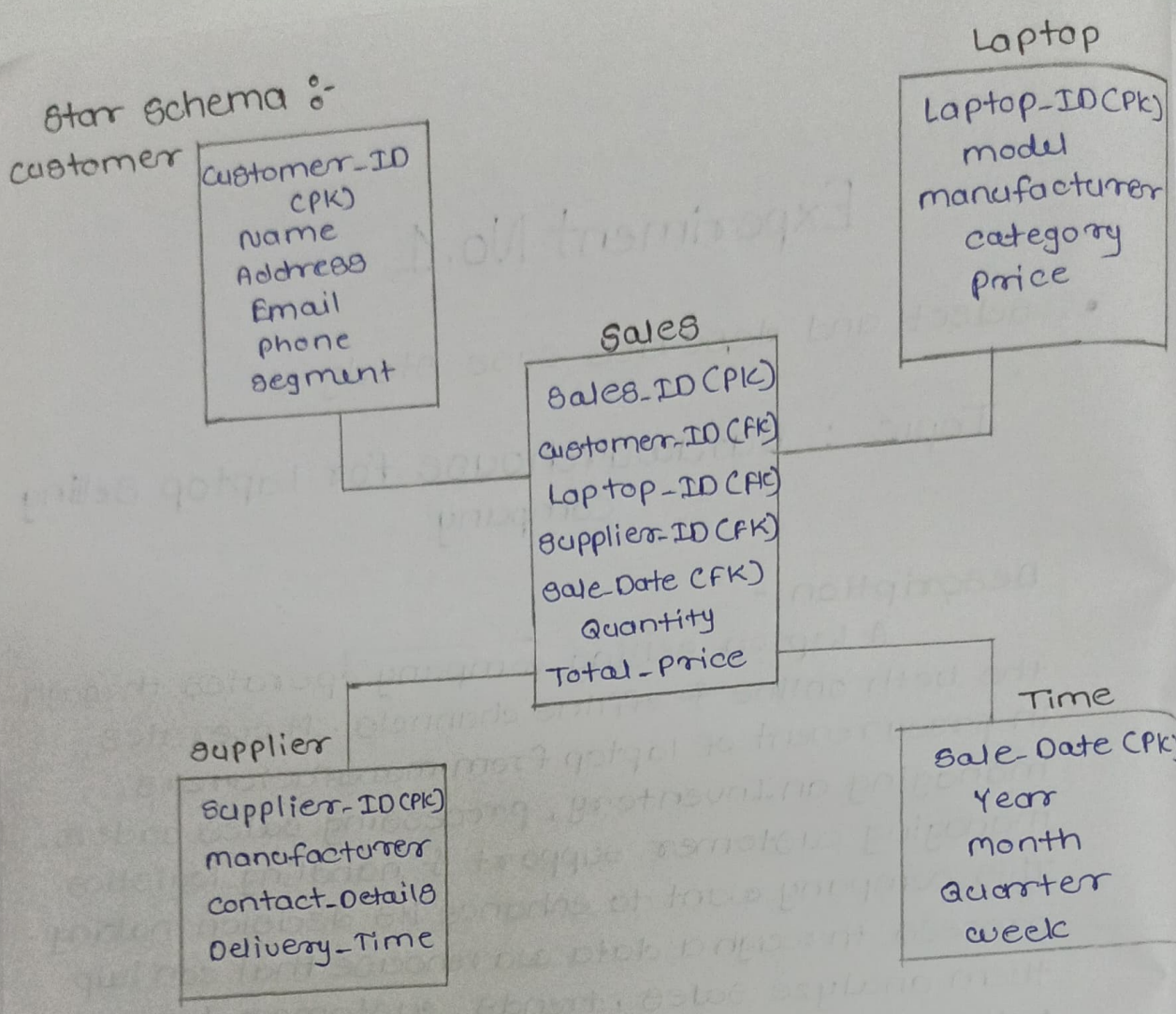
A laptop selling company operates through the both online & offline channels. It operates in procurement of laptop from manufacturers, managing an Inventory, processing sales orders, managing customer support & handling logistics. This company want to enhance its decision making process through a data warehouse that can help them analyze sales, trends, customer, buying behaviour, inventory levels & performance of supplier.

Information Package Diagram :-

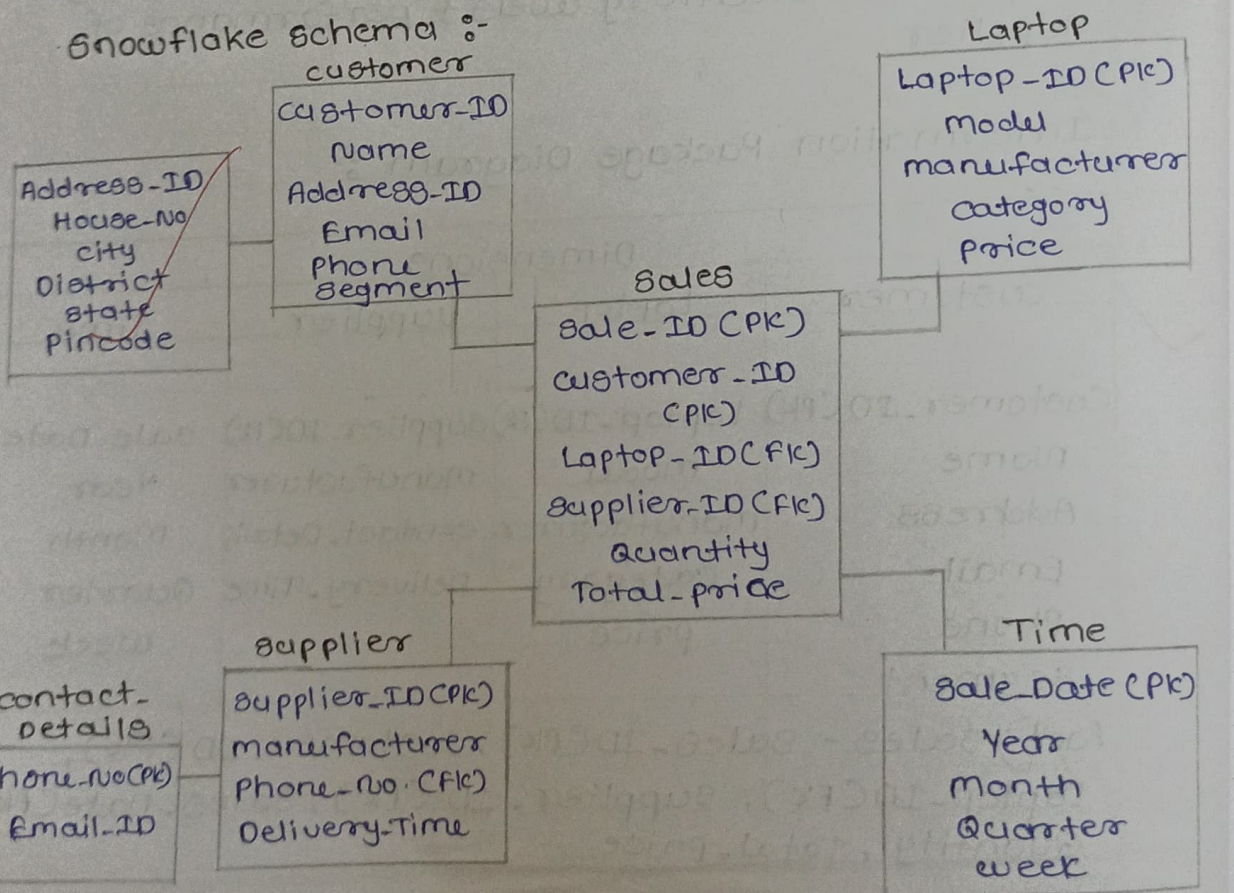
Dimensions			
customer	Laptop	supplier	Time
Customer_ID (PK) Name Address Email Phone Segment.	Laptop_ID (PK) model manufacturer category price	Supplier_ID (PK) manufacturer contact_Details Delivery_Time	Sale_Date (PK Year Month Quarter week

Fact : Sales - Sales_ID (PK), Customer_ID (FK), Laptop_ID (FK), Supplier_ID (FK), Sales_Date (FK) Quantity, Total_price.

Star Schema :-

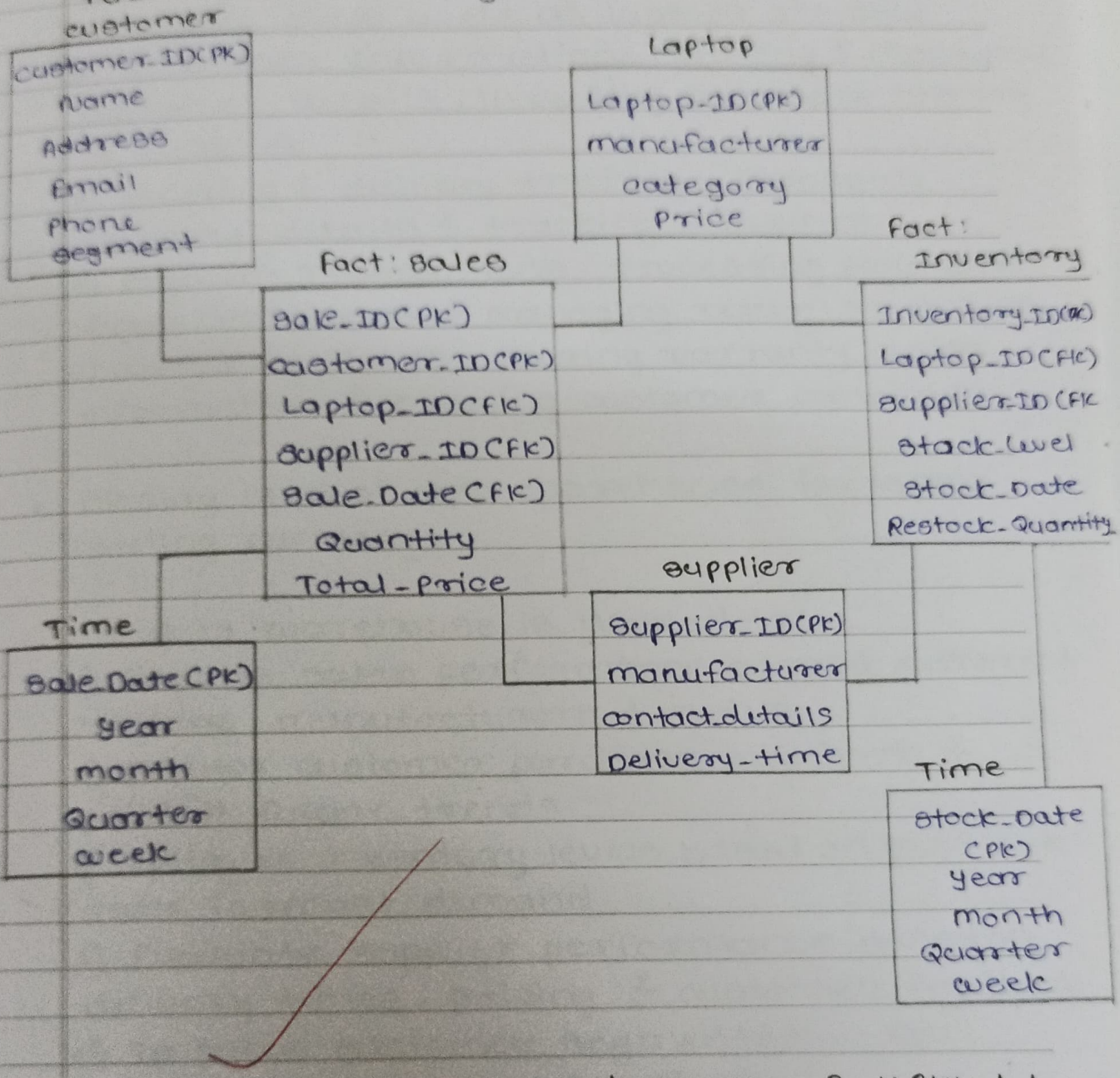


Snowflake Schema :-



FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI

Fact constellation Diagram :-



- Specify requirements those are fullfilled by OLTP of Laptop selling company.

The company's OLTP system handles real-time business transaction including :

1) order processing - processing & storing customer orders from various platforms.