



# AtliQ's Technology Sales Insights 360 in India



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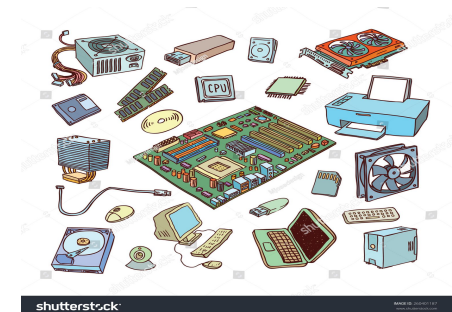
# 1. Introduction to Business Problem



📌 AtliQ Technology manufactures Electronic Hardware across India. Their headquarter is located in Delhi. They have a different zone of Market across India. In headquarter the Sales director will get contact every month with each sales supervisor at different market zone across India.

📌 Finally, the Sales director gets a rough estimation with many excel file and database and not having a clear picture about the Organization's sales and revenue.

📌 In order to help our sales director and his team turning the raw data into meaningful interactive dashboard with help of SQL and Microsoft Power BI tools.



## 2. Problem Statement



- 📌 An automated dashboard provide quick and latest insights in order to support data driven decision making.
- 📌 To unlock sales insights that are not visible before sales team for decision support and automate them to reduce manual time spent in data gathering.



### 3. Database Introduction



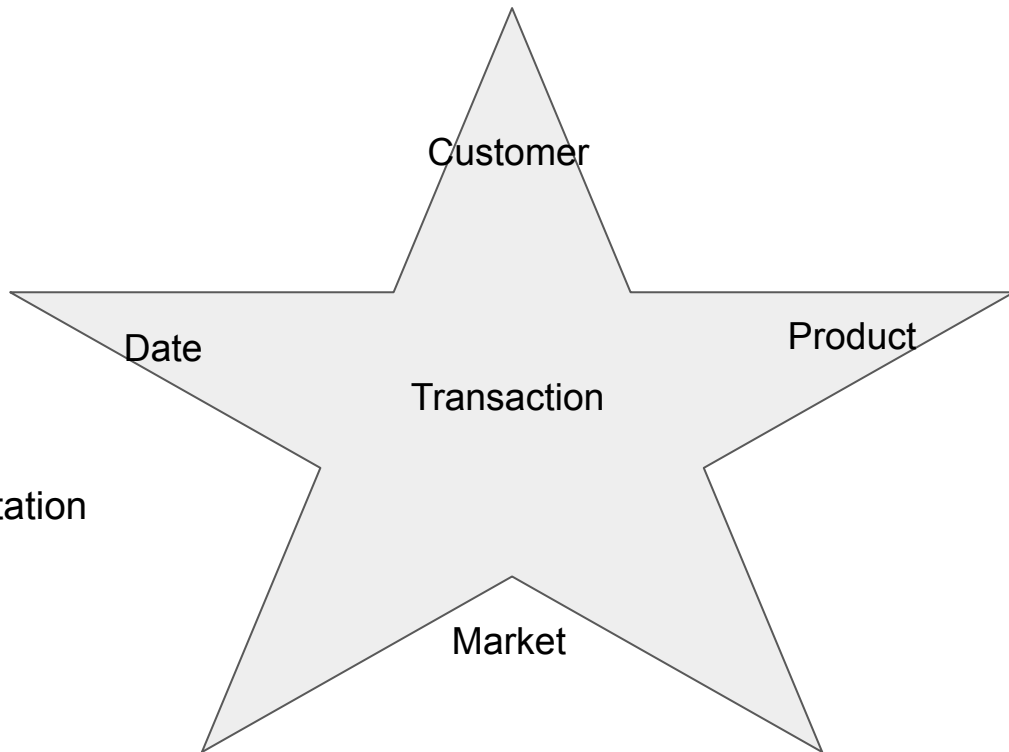
In Organization's database I have retrieved sales schema through the data warehouse.

In sales Database schema there are 5 tables.

- ✓ Customer
- ✓ Product
- ✓ Market
- ✓ Date
- ✓ Transaction

We are going to build a star schema representation

With Dimension tables and Fact tables.



## 4. Data Analysis using SQL Queries



In this section I have performed basic report preparation from AtliQ's Sales data using SQL.

1. What is the Total revenue in million from starting year till to date?

Total_Revenue
984.813463

Retrieve Data

2. What is the Total sales quantity in million from starting year till to date?

Total_Sales_qty
2.4293

Retrieve Data

3. List down Top 5 customer in Revenue in the year 2020?

custmer_name	revenue
Electricalsara Stores	65.641977
Excel Stores	7.928385
Premium Stores	5.899748
Electricalslytical	5.537904
Info Stores	5.064374

Retrieve Data

4. List down Top 5 Market in Revenue in the year 2020?

markets_name	Revenue
Delhi NCR	77.732602
Mumbai	20.181535
Ahmedabad	18.011939
Nagpur	8.25469
Bhopal	7.662003

Retrieve Data

5. List down revenue in percentage contributed by different customers from starting date till to date.

customer_type	Revenue_percentage
E-Commerce	24.404989780282886
Brick & Mortar	75.59501021971711

**Retrieve Data**

6. List down revenue in percentage contributed by different market zone from starting date till to date.

zone	Revenue_percentage
Central	26.77877515977866
North	68.59497177690392
South	4.626253063317433

**Retrieve Data**



# 5. Data Modeling in Microsoft Power BI



Data modeling is one the steps in power Bi Dashboards. In this step we are trying to make the relationship between Fact table and multiple Dimension tables by connecting table with **one-to-many** relationship.

Star Schema Representation in Data modeling is shown aside.



# 6. Sales Dashboard Visualization using Power BI

