**Creating Dashboard on sales of a MNC based on power BI**

**Dataset:** Atliq hardware sales dataset

Total 5 different tables:

1. Transactions
2. Customers
3. Markets
4. Date
5. Products

**Problem statement:** Help the company’s data analyst to build a dashboard on sales according to revenue.

Next step after understanding problem statement is to build an **AIMS grid** that focuses on 4 main components:

1. Purpose
2. Stakeholder involvement
3. End Result
4. Success criteria

AIMS grid must be defied to understand the problem statement in a better way.

Next step after defining the AIMS grid is to understand the dataset through SQL. Data cannot be analysed directly on the SQL database so it must be stored on a data warehouse where all the transactions and transformations can be applied.

**ETL 🡪 Extract Transform, Load**

**Issues faced while dealing with the data**

1. Missing data
2. Negative values have been printed for the amount column which is not possible
3. Few entries in currency column are in USD while all others are in INR

Next step is to create **a star schema** (facts + Dimensions)

**Facts:** Transactions table in our project. Where all the changes and transactions takes place. All the entities connect to this table.

**Dimensions:** All the entities that are connected to the fact table. In our project: products, dates, customers, markets come under dimensions.

A screenshot of a computer

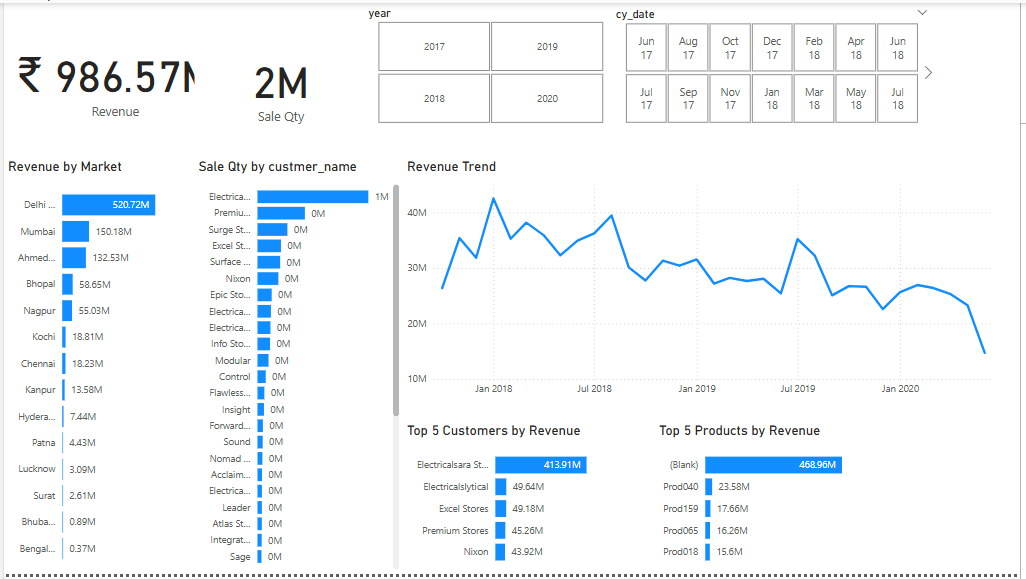
AI-generated content may be incorrect.

The connections between the dimensions tables and the fact table have at least 1 common attribute among them.

**Data Cleaning:**

1. **Market Table:**  Paris and New York might have only 1 or 2 transactions but still it was mentioned in the markets table so that particular rows can be deleted from the table as the company in India based.
2. **Transactions Table:** Negative values and values below 0 can be eliminated from the table as these might cause the discrepancies with the dashboards. Next step is to convert the USD to INR in order to normalize all the amounts columns to INR.

Next Step is to start building the Dashboard on **POWER BI DESKTOP:**

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