Sustainable Supply chain performance dashboard Project

Power Bi tool is used for the analysis of the sustainable supply chain performance dashboard creation.

The primary objective is to analyze the performance of the supply chain and identify key metrics such as total revenue, average manufacturing cost, total products sold, most selling products, defect rates, shipping costs.

Analysis is done to get insights and facts about the data that is present in sustainable supply chain.

There are some steps are used to follow to prepare dashboard:

**step 1:** Extracting the dataset.

Extracting/pulling the data like excel, csv, text, database files are used for analysis.

These data can be taken from Kaggle, web pages and sql server and etc..

**Step 2:** Transform the dataset.

Transforming the dataset is the process of data processing and cleaning the data from the real time data.

**Step 3:** Loading the dataset.

Loading the dataset is the process of loading the dataset after cleaning.

**Step 4:**The loaded dataset is made into different tables which are used for the analysis.

**Table 1: Inventory Table**

1.Product type

2.SKU

3.Availability

4.Number of products sold

5.Customer demographics

6.Stock levels

7.Lead times

8.Order quantities

9.Lead time

10.Revenue Generated

**Table 2: Manufacturing table**

1.Product type

2.SKU

3.Production volumes

4.Manufacturing lead time

5.Manufacturing costs

6.Inspection results

7.defect rates

**Table 3:Supplier Table**

1.Supplier name

2.Location

3.Lead time

4.transportation modes

5.Routes

**Table 4: Supply chain table**

1.Product type

2.SKU

3.price

4.Availability

5.Number of products sold

6.Revenue generated

7.Customer Demographics

8.stock levels

9.Lead times

10.Order quantities

11.Shipping time

12.shipping carriers

13.shipping costs

14.supplier name

15.Location

16.Lead time

17.Transportation modes

18.Routes