

**AIM-** Generating reports and dashboards with defined insights and requirements using PowerBI.

## **THEORY-**

- **CREATING DASHBOARDS IN POWER BI:**

To create dashboards in Power BI, you need to use Power BI webservice. You can publish the reports created in the Power BI desktop and then publish them on its web platform.

To create a dashboard in the Power BI Service, go to your workspace where you published the report.

Click on the "Create" button and select "Dashboard."

Add tiles to your dashboard by pinning visualizations from your report pages.

To do this, go to your report, select a visualization, and click the "Pin to dashboard" option.

Arrange the tiles on your dashboard to create an organized layout.

Add text boxes, images, and web content to provide context or additional information.

Apply themes and styles to match your corporate branding.

Share your dashboard with others by using the "Share" option. You can share with specific users, groups, or make it public.

- **INDIA POPULATION 2011 DASHBOARD:**

This dashboard displays information about the population of India in 2011 according to States of India.

The stacked column chart shows the total population of states. The states are sorted according to decreasing population. Through this chart we can see that the states Uttar Pradesh, Maharashtra and Bihar are the most populous states of India.

The map visual represents INDIA and its boundaries along with the population of states when hovered over the area of states.

The decadal population growth is represented in the pie chart. The Dadra and Nagar Haveli, Daman and Diu are the states/union territory having highest growth rates.

The horizontal bar chart shows the population density of all states. The Delhi and Chandigarh being one of the most densely populated regions.

## PRACTICAL 8

- IMPORT-EXPORT DASHBOARD:

The import export dashboard gives the total metric ton of import/export products in the country.

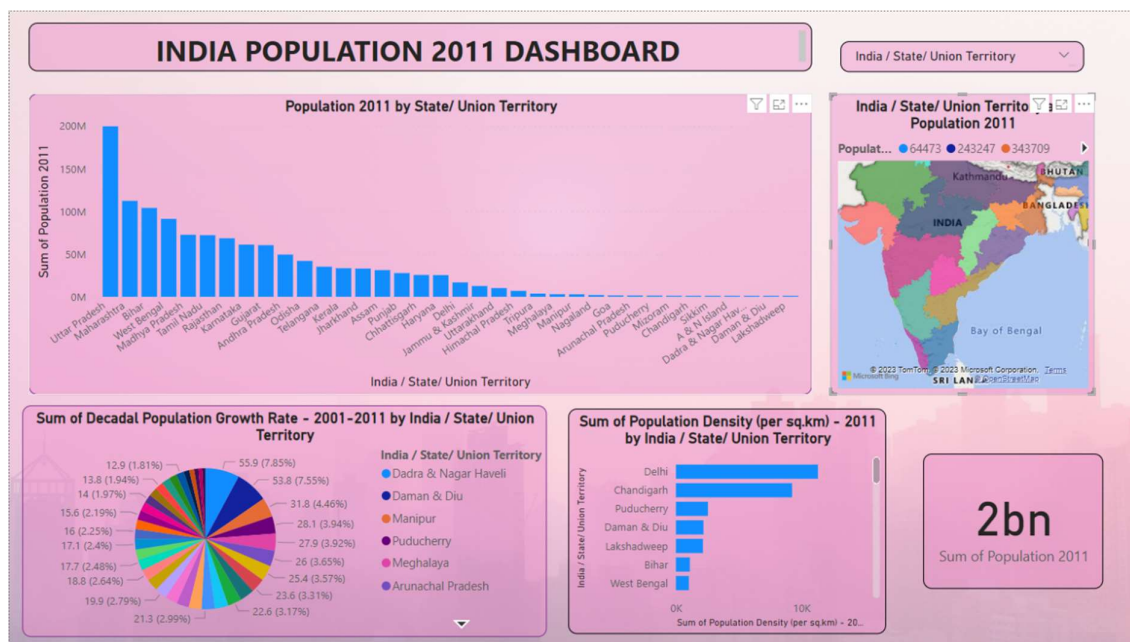
The stacked area chart represents product wise imports for all the months. This provides us with the insight that Crude oil which is used for petrol, is the most important imported material in India.

The gauge chart compares the total export/import in the months of January and August. From this we can say that in august the imports are usually low.

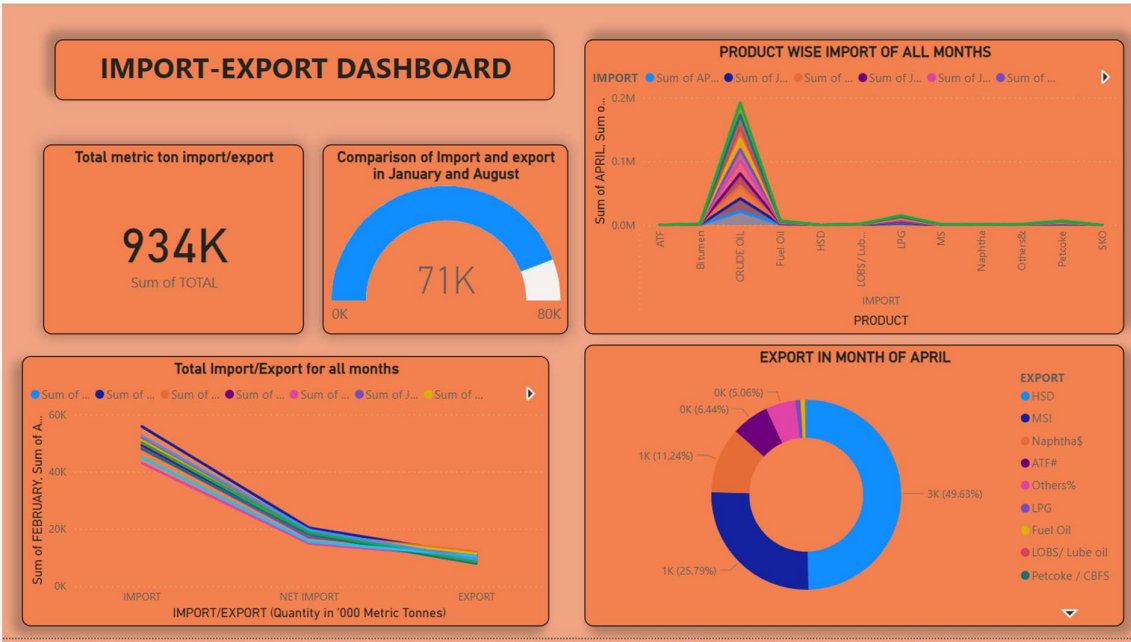
Pie chart represents the share of all exported materials in the month of April.

The line chart represents the import, net import and export for all months. From this we can infer that April is the month having the most imports and march is the month having highest exports.

### OUTPUT-



PRACTICAL 8



CONCLUSION-

Successfully created reports and dashboards with defined insights and requirements using PowerBI.