

**Objective of the Activity Done:**

Summary for powerbi and data analysis

**Detailed Report:**

The Data Analytics is the Programme of utilizing data. Statistical method and technology to extract meaningful insight and make decision of accordingly.

→ The key Components of the Analytics, Data visualization and Interpretation the DA Tools are Software of the given programmes and applications of the other that can help the professional analyze data sets to provide insights, prediction and decisions of the information.

The power BI Visualizes that the graph of the dashboards and pie chart. The facilitates reports and many more. The explanation about the features in the power BI.

The Power BI and their components like the data and data view. The power Views, and power queries, and desktop etc are the power BI Services.

**Objective of the Activity Done:**

Data importing and Modeling

**Detailed Report:**

explored different data connectors, such as excel, SQL data bases, and Online Services, ETL, practiced data modeling techniques, relationships with tables, using DAX, functions, designing Columns.

This week was dedicated to the mastering data Importing and modeling with the power bi. we have learn many modelings in the power bi like we have discussed in the given report of the data Importing and the data modeling in the power bi.

Successfully Imported data sets from the multiple sources into the power bi sets, and the power bi Service. We built a robust of the data model with the well-defined relationships from the given power bi.

We used DAX to create the calculated the given Columns and the measures for the enhanced analysis. This is all about the -making of data Importing and Modeling in data.



**Objective of the Activity Done:**

Data Visualization Techniques

**Detailed Report:**

They are studied various visualization options that are available in the power bi, including advanced charts, maps and the custom visuals in the power bi.

The participated in a hands on session to design interactive dashboards of the slicers, and filters and the given skill thoughts. Lets learned the best practices for choosing the appropriate visualization for the different data types and insights.

The Designed a Comprehensive of the dashboard featuring key metrics using a mix of visuals. The Implemented Interactivity thought the slicers and filters to allow users to explore the data dynamically. presented the dashboard to peers for the feedback. This week was focussed on the Creativity effective and interactive data visualization in the power bi. This is all about in this week which we have learn how to visualization and its Techniques.

# WEEKLY REPORT

WEEK-4 (From Dt...22/7/24..... To Dt...26/7/24.....)

## Objective of the Activity Done:

### Detailed Report:

The Advanced data Analysis with DAX  
Completed the advanced DAX training modules covering topics such as time intelligence, advanced filtering and the context management. The worked on a case study that is required great the complex measures to calculate the year-over-year growth and rolling averages. To collaborate with the peers to troubleshoot DAX-related issues in our data models in power bi. The development of proficiency in writing complex DAX expressions. Applied time intelligence functions to analyze the trends over a time. The improved of the accuracy and the efficiency of data models using advanced DAX.

This week was dedicated to the deepening our understanding of DAX for the advanced in the given data of the powerbi. This is about the Advanced data Analysis with the DAX. This the report and the explanation of this Activity of Advanced data Analysis with DAX.



Objective of the Activity Done:

Sales Analytics

Detailed Report:

Received a dataset of the representing Sales of the data from a financial fictional Company. The Defined key performance of the Indicator (KPI's) such as Sales growth, Customer and acquisition and the product of the performance. Then Built a Sales growth, Customer, dashboards to visualize the KPIs and identify the trends, outliers and area for improvement. The Creation of a Comprehensive Sales dashboard that highlighted crucial business Insights. Used the given data of the Story telling techniques to Communicate for finding it effectively. Then Received positive feedback from mentors on the practical from the application of powerBI skills. This focus the week was on applying powerbi skills to a real-world Sales analytics Case Study. This is all about the Sales Analytics on the power BI and in its services.

**Objective of the Activity Done:**

Optimizing and performance Tuning

**Detailed Report:**

Learning about the powerbi report the optimizing techniques, including data reduction, efficient uses of a DAX and the query optimization.

The Implemented Incremented data refresh to improve report loaded times. Explored the best practices for managing large datasets and reducing the memory usage.

The optimizing existing reports to load faster and handle larger datasets. Applied the given techniques to reduce the size of the given data models without losing critical information in it. The Improvement of the Overall Performance and the uses experience from the power Bi reports. This week focused on the given optimizing power Bi reports for the performance and Scalability. This is about the optimization and the performance Tuning we have discussed in this week from the powerbi classes. This is all about from this week in powerbi Services.



## WEEKLY REPORT

WEEK-7 (From Dt...12/8/24..... to Dt...16/8/24.....)

### Objective of the Activity Done:

Publishing and Sharing Report

### Detailed Report:

explored the different powerbi service features, including workspace, sharing options and security settings and published reports to the powerbi service and configured scheduled refresh. To create and share an app in powerbi that aggregates multiple reports into a single, easy-to-access package for the stakeholders.

Successfully published reports to the power BI Service and shared them with the Inteam. To Configure a role-based security to control access to sensitive data.

To receive the feedback on the accessibility and usability of the published reports.

This week was dedicated to learning how to publish and share powerbi reports with the stakeholders. This is all about we have discussed in this week in publishing and sharing report from the powerbi and powerbi services.



**Objective of the Activity Done:**

Final project and presentation

**Detailed Report:**

The worked on a final project that have involved on analyzing a complex dataset and the presenting a actionable insights to a mock client. To Developed a Comprehensive the power bi report that included data exploration for advanced visualization, and key recommendations. To presented the final report to the Partnership of the Supervisor, showcasing the Internship. The Successfully Completed the Capstone project, demonstrating a strong understanding of data analytics using the power bi. The received positive feedback on the quality of analysis and presentation skills. Concluded that the final week we was focused on Completing the given final project and presentation. This is the report for this project from the power bi and power bi Service.