

## WEEKLY REPORT

WEEK - 1 (From Dt. 3/7/24 to Dt. 5/7/24)

Objective of the Activity Done: Summary for power bi ad data Analys

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 interpection the DA Tools are soft ware of the given programme and applications of the other that can help the proffessional analze data sets to provide insights. prediction and decisions of the information.

The power bi visualizes that the graph of the dashboard and pie chart the facilities 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 connections, 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 disscussed 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. The built a robust of the data model with the well-defined relationships from the given power bi.

The 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:

Detailed Report:

Data visualization Techniques

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 drill throughs. Lets learned the best practices for choosing the appropriate visualization for the different data types and insights.

The Designed a comprehensive of the dash board featuring key metrics using a mix of visuals. The implemented interactivity through the slicers and filters to allow users to explore the data dynamically. presented the dashboard to peers for the feedback. This week was focused 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.



**Objective of the Activity Done:**

The Advanced data Analysis with

**Detailed Report:**

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 create the complex measures to calculate the year-over-year growth and rolling average. To collaborated with the peers to trouble shoot 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 de opening our understanding of DAX for the advanced in the given data of the power bi. 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 data set of the report relating sales of the data from a financial fictional company. The defined key performance of the indicators (KPIs) such as sales growth customers and acquisition and the product of the performance, then built a sales growth, customers, dashboard to visualize the KPIs and identify the trends, outlines and areas for improvement. The creation of a comprehensive sales dashboard that using highlighted crucial business insights. Used the story telling technique to communicate for finding it effectively then received positive feedback from mentors on the practical from the application of power bi skills. This focus the week was on applying power bi 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:

Detailed Report:

Optimizing and performance Tuning  
learning about the power bi 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 user 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  
power bi classes. This is all about from this  
week in power bi services.



## Objective of the Activity Done:

Publishing and Sharing Report

## Detailed Report:

Explored the different power bi service features, including workspace, sharing option and security settings and published reports to the power bi service and configured schedule reference. To create and shared an app in power bi that the aggregates multiple reports into a single, easy-to-access package for the stakeholders.

The successfully published reports to the power bi service and shared them with the inteam. To configured a role-based security to control access to sensitive data.

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

This week was dedicated to learning how the publish and share power bi reports have discussed in this week in publishing and sharing report from the power bi and power bi 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 data set 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 internship of the supervisions, 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 project from power bi and serive.