

WEEKLY REPORT

WEEK - 1 (From Dt 03-07-24 to Dt 05-07-24.....)

Objective of the Activity Done:	Introduction to Power BI, Data Analytics
Detailed Report:	<p>Agenda of Data Analytics includes, understanding the fundamentals of Power BI and the importance of data analytics in business decision-making.</p> <ul style="list-style-type: none">• Attended an orientation session on the internship objectives and deliverables.• Completed introductory modules on Power BI, including its interface, key features, and capabilities.• Learned about the various types of data sources that can be connected to Power BI.• Developed a foundational understanding of Power BI.• Connected to different data sources and performed basic data cleaning.• Created a simple report showcasing basic visualizations such as bar charts and line graphs.• Participated in a workshop on basic data cleaning and transformation techniques.

WEEKLY REPORT
WEEK-2 (From Dt. 08-07-2024 to Dt. 14-07-2024)

Objective of the Activity Done:

Data Importing and Modeling

Detailed Report:

This week dedicated to mastering

data importing and modeling within Power BI

- Explored different data connectors available in Power BI, such as Excel, SQL databases, and online services.

- Learning about the ETL (Extract, Transform, Load) process within Power BI.

- Practiced data modeling techniques, including creating relationships between tables, using DAX (Data Analysis Expressions) functions, and designing calculated columns.

- Successfully imported datasets from multiple sources into Power BI.

- Built a robust data model with well-defined relationships.

- Used DAX to create calculated columns and measures for enhanced analysis.

WEEKLY REPORT
WEEK-3 (From Dt...15-07-2024...to Dt...19-07-2024....)

Objective of the Activity Done:

Data Visualization Techniques

Detailed Report:

This week focused on creating effective and interactive data visualizations in Power BI.

- Studied various visualizations options available in Power BI, including advanced charts, maps, and custom visuals.
- Participated in a hands-on session to design interactive dashboards with slicers, filters, and drill-throughs.
- Learned best practices for choosing appropriate visualizations for different data types and insights.
- Designed a comprehensive dashboard featuring key metrics using a mix of visuals.
- Implemented interactivity through slicers and filters to allow users to explore the data dynamically.
- Presented the dashboard to peers for feedback.

WEEKLY REPORT

WEEK-4 (From Dt...25-07-2024.... To Dt...26-07-2024.....)

Objective of the Activity Done:

Advanced Data Analysis with DAX

Detailed Report:

This week was dedicated to deepening our understanding of DAX for advanced data analysis.

- Completed advanced DAX training modules covering topics such as time intelligence, advanced filtering, and context management.
- Worked on a case study that required creating complex measures to calculate year-over-year growth and rolling averages.
- Collaborated with peers to troubleshoot DAX-related issues in our data models.
- Developed proficiency in writing complex DAX expressions.
- Applied time intelligence functions to analyze trends over time.
- Improved the accuracy and efficiency of data models using advanced DAX.

WEEKLY REPORT

WEEK-5 (From Dt. 01-07-2024 To Dt. 08-08-2024.....)

Objective of the Activity Done:

Real-World Case Study : Sales Analytics

Detailed Report:

The Focus this week was on applying Power BI skills to a real-world sales analytics case study.

- Received a dataset representing sales data from a fictional company.
- Defined key performance indicators (KPIs) such as sales growth, customer acquisition, and product performance.
- Built a sales dashboard to visualize the KPIs and identify trends, outliers, and areas for improvement.
- Created a comprehensive sales dashboard that highlighted crucial business insights.
- Used data storytelling techniques to communicate findings effectively.
- Received positive feedback from mentors on the practical application of Power BI skills.

WEEKLY REPORT

WEEK-6 (From Dt.05.-08.-2024..... to Dt...09.-08.-2024.....)

Objective of the Activity Done:

Report Optimization & Performance Tuning

Detailed Report:

This week focused on optimizing Power BI reports for performance and scalability.

- Learned about Power BI report optimization techniques, including data reduction, efficient use of DAX, and query optimization.
- Implemented incremental data refresh to improve report load times.
- Explored best practices for managing large datasets and reducing memory usage.
- Optimized existing reports to load faster and handle larger datasets.
- Applied techniques to reduce the size of data models without losing critical information.
- Improved the overall performance and user experience of Power BI reports.

WEEKLY REPORT

WEEK-7 (From Dt..12-08-2024..... to Dt....16-08-2024.....)

Objective of the Activity Done:

Publishing and sharing Reports

Detailed Report:

This week was dedicated to learning how to publish and share Power BI reports with stakeholders.

- Explored different Power BI service features, including workspaces, sharing options, and security settings.
- Published reports to the Power BI service and configured scheduled refreshes.
- Created and shared an app in Power BI that aggregates multiple reports into a single, easy-to-access package for stakeholders.
- Successfully published reports to the Power BI service and shared them with the internship.
- Configured role-based security to control access to sensitive data.
- Received feedback on the accessibility and usability of the published reports.

WEEKLY REPORT

WEEK-8 (From Dt...19-08-2024..... to Dt....23-08-2024.....)

Objective of the Activity Done:

Final Project and Presentation

Detailed Report:

The Final week was focused on completing a capstone project and presenting it to the internship supervisors.

- It worked on a final project that involved analyzing a complex dataset and presenting actionable insights to a mock client.
- Developed a comprehensive Power BI report that included data exploration, advanced visualizations, and key recommendations.
- Presented the final report to the internship supervisors, showcasing the skills and knowledge gained throughout the internship.
- Successfully completed the capstone project, demonstrating a strong understanding of data analytics using Power BI.
- Received positive feedback on the quality of analysis and presentation skills.