

WEEKLY REPORT

WEEK - 1 (From Dt. 3-7-21 to Dt. 5-7-21.....)

Objective of the Activity Done: Introduction to PowerBI, Data Analysis

Detailed Report: Agenda of Data Analytics includes, understanding the fundamentals of PowerBI and the importance of data analytics in business decision-making.

- * Attended an orientation session on the internship objectives and deliverables.
- * Completed introductory modules on Power BI, including its interface, key features and capabilities.
- * Connected to different data sources and performed basic data cleaning.
- * Created a simple report showing basic visualizations such as bar charts and line graph.

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WEEK - 2 (From Dt. 9-3-24 to Dt. 12-3-24....)

Objective of the Activity Done:

Data Importing & Modelling

Detailed Report:

This week dedicated to mastering data importing and modeling within Power BI.

- * Explored different data connectors available in Power BI, such as (xml, SQL database 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.

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WEEK - 3 (From Dt. 15/7/24 to Dt. 19/7/24.....)

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.

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WEEK - 4 (From Dt. 25.11.2023 to Dt ... 26.11.2023.....)

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 module 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.
- * Improved the accuracy and efficiency of data models using advanced DAX.

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WEEK - 5 (From Dt. 29/12/24 to Dt. 03/01/24.....)

Objective of the Activity Done:

Data Visualizations 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 filters, 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 visual

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WEEK - 6 (From Dt. 5/8/24 to Dt. 9/8/24....)

Objective of the Activity Done:

Real-world case study: Sales Analysis

Detailed Report:

The focus this week was on applying PowerBI 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 KPI's and identify trends, outliers and areas for improvement.
- * Received positive feedback from mentors on the practical application of Power BI skills.

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WEEK - 3 (From Dt. 12/8/24 to Dt. 18/12/24)

Objective of the Activity Done: Project Work - Data Analysis and Visualizations.

Detailed Report: This week marked the beginning of the project phase.

- * Started by defining the project scope, objectives and deliverables.
- * The project involved analyzing a dataset provided by Smart Internz, cleaning & transforming the data, and building a data model.
- * Our team focused on identifying key metrics, trends and patterns that could drive business decisions.
- * The initial reports and dashboards were created to visualize these insights, using the skills and techniques learned over the past six weeks.

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WEEK - 8 (From Dt. 19/8/24 to Dt. 23/8/24....)

Objective of the Activity Done: Project work - finalization and presentation.

Detailed Report: In this week, we completed the project by refining our reports and dashboards ensuring they met the perfect requirements.

* We focused on enhancing the visual appeal and usability of the dashboards by adding interactive elements and ensuring the data was accurately represented.

* The week culminated with a presentation to the smart Interning team, where we showcased our findings, explained the methodologies used and demonstrated how the insights could be applied to solve real business problems.

* The project was well received, marking a successful conclusion to the internship.