

WEEKLY REPORT

WEEK-1(From Dt.....to Dt.....)

Objective of the Activity Done:

Introduction to power BI

Detailed Report:

Agenda of data Analytics includes understanding the fundamentals of power BI and the importance of data analytics in business decision-making.

- Completed introduction session on the workshop including this interface models on power BI including its interface, key points and components.
- I developed a fundamental understanding of power BI.
- Connected to different data sources and performed basic data cleaning.
- Created a simple report showcasing basic visualization such as bar charts and line graphs.
- Participated in a workshop on basic data cleaning and transtion techniques.
- Attended on on sessions on intinshing objectives and deliverables.

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WEEK-2 (From Dt.....to Dt.....)

Objective of the Activity Done:

Data importing and modeling

Detailed Report:

This week dedicated to mastering data importing and modeling with power BI

→ Explored different data connection available in Power BI. Such as Excel SQL database and online services.

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

→ Practiced data modeling technique, 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.

→ Used to create Calculated analysis.

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WEEK-3 (From Dt. to Dt.)

Objective of the Activity Done:

Data visualization

Detailed Report:

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

- Studied various visualization operations available in Power BI including advanced Create, maps, and custom visual.
- Participated in a hands-on session to design interactive dashboards with slicers, filters and drill-throughs.
- Learned best practices for choosing appropriate visualization for insights.
- Implemented interactivity through slicers and filters allowing users to explore the data dynamically.
- Presenting live dashboard to provide feedback.

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WEEK-4 (From Dt..... To Dt.....)

Objective of the Activity Done:

Advanced data Analysis.

Detailed Report:

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

- Implemented advanced DAX learning models covering topics on time intelligence, advanced filtering, management.
- Worked on a case study that required creating complex measures to calculating.
- Collaborating with peers to textbox DAX related visual in our dat visuals.
- Developed proficiency in writing complex DAX Expressions.
- Applied time intelligence functions to analyzing trends over time.
- Improved the accuracy and efficiency of data models using advanced DAX.

Objective of the Activity Done:

Real world case study

Detailed Report:

The fourth week we oh apply power BI skills to a real world skills analysis Case Study.

- Received a dashboard requesting sales data from a financial company.
- Defined key performance indicators (KPI) such as sales growth, customs acquisition, and product programming acquire performances.
- Created a comprehensive sales dashboards that highlighting various business techniques.
- Used data Storytelling techniques to communicate findings & issues.
- Received positive feedback from mentor on the practical applications of power BI skills.

WEEKLY REPORT

WEEK 6 (From Dt..... to Dt.....)

Objective of the Activity Done:

Report optimizing

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 reports to improve load times.
- Explored best practices for managing large dashboards reducing memory usage.
- Optimizing existing reports to load fast both on-hand and language dashboard.
- Applied techniques to reduce the size of data models without losing critical information.

WEEKLY REPORT

WEEK-7 (From Dt..... to Dt.....)

Objective of the Activity Done:

Project work presentation.

Detailed Report:

- In two weeks, we completed the project by refining our reports and dashboards.
- We focused on enhancing the visual appeal and usability of the dashboards by adding interactive elements and ensuring accuracy by adding interacting elements data accurately.
- The week culminated with a presentation to the smart Int'ng team, where a presentation to the findings, explaining the methodologies and demonstrated how the set business problems.
- The project was well received, marking a successful conclusion to the internship.

WEEKLY REPORT

WEEK-8 (From Dt..... to Dt.....)

Objective of the Activity Done:

project work -

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 dashboard provided by Smart Intech, cleaning and 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.