Objective of the Activity Done: Introduction to Data Analytics and Power BI

Detailed Report:

In the first week, we are introduced to the fundamentals of data Analytics, Emphasizing the role of data - driven decision - Making in Modern businesses. The session covered the basis of data Analysis, different types of data, and the importance of data visualization.

We also Explored Power BI, Understanding its interface, features, and how it integrates with other Microsoft products. The week Concluded with a hands - on session on loading and transforming data in power BI.

Objective of the Activity Done: Data Transformation and Modeling

Detailed Report:

The second week focused on data transformation and Modeling within Power BI. We learned how to clean, reshape, and prepare data using power Query Editor. The training Covered essential functions like filtering, Merging, and appending dataset. Additionally, we were introduced to data Modeling Concepts such as relationships, Cardinality, and data hierarchies. The practical. Sessions helped reinforce these Concepts by allowing us to Create and Manage data Models Effectively.

Objective of the Actuvity Done: Data Visualization Techniques

Detailed Report:

In the third week, the emphasis was on data visualization techniques Using Power BI. we explored various types of charts, graphs, and Maps that Can be Created in power BI to visualize data insights. The Qsessions included best practices for Qselecting the right visualizations based on the type of data and the Message we want to Convey. We also learned about Customizing visual Elements, Using themes, and enhancing reports with interactive features like Qslicers and doill-throughs.

Objective of the Activity Done: Advanced Analytics and Dax

Detailed Report:

Week four delved into advanced analytics and Data Analysis Expressions (DAX) in power BI. We learned how to create Calculated Columns, Measures, and Custom tables using DAX. The training covered Complex DAX functions such as time intelligence, filtering, and aggregation. We also Explored advanced analytical techniques like toend analysis, forecasting, and what-if scenarios. The week ended with Exercises to build dynamic reports using DAX-driven insights.

Objective of the Activity Done: Power BI service and Collaboration

Detailed Report:

The fifth week covered the Power BI Service and its Collaboration features. We learned how to publish Reports to the Power BI service, share dashboards, and Collaborate with team Members in real-time. The Sessions Emphasized data Security, Row-level Security (RLS), and Managing workspaces. We also Explored power BI's Integration with other Microsoft tools like Excel, Teams, and sharepoint, Making it easier to Collobrate and share insights across the Organization.

WEEKLY REPORT

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

Objective of the Activity Done: Application

Best practices and industry

Detailed Report:

In the final week internship classes, we focused on best pratices in data analytics and real-world applications of power BI across various industries.

We discussed key strategies for optimizing data models, enhancing report performance, and Maintaining data govern-nance.

The sessions also included case studies showcasing how companies used Power BI for business intelligence, Sales analysis, financial reporting, and operational efficiency. The week wrapped up with an overview of the upcoming project work.

Objective of the Activity Done:

Data Analysis and visualization

Detailed Report:

The Seventh week Marked the beginning of the project phase. We started by defining the project scope, objectives and deliverables. The project involved analyzing a dataset provided by smart interny, 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 intial reports and dashboards were Created to visualize these insights, Using the skills and techniques learned over the past six weeks.

WEEKLY REPORT

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

Objective of the Activity Done: Finalization and presentation

Detailed Report: In the final week, we completed the project by refining our reports and dashboards, ensuring they met the project 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 Internz 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 for Conclusion to the internship.