WEEKLY REPORT

WEEK – 1 (From Dt...3|7|24 to Dt ...5|7|24.........)

Objective of the Activity Done: Introduction to Data Analytics Power BI
Detailed Report: In the first week, we were introduced to the fundamentals of data analytics, Emphasizing the role of data - driven decision - Making in modern bussinesses. The Sessions 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

WEEK – 2 (From Dt. 8/7/24... to Dt. 12/7/24..)

Objective of the Activity Done: Data transformation and Modelling

Detailed Report: The second week focused on data transformation and modeling within Power BI.

we learned to clean, reshape and pre-pare data using power Query Editor. The training Covered essential functions like fitting merging, and appending datasets.

Additionally, we were introduced to data modeling Concepts such as relation-ships, Cardinality, and data hierarchies.

The practical sessions helped reinforces the Concepts by allowing us to create and image data models Effectively.

Objective of the Activity Done: Data visulization Techniques

Detailed Report: In the third week, the Emphasis was On data Visualization techniques using Powa BI.

we Explored Various types of charts, graphs, and maps that can be created in power BI to Visualize data insights.

The sessions included best practices for selecting the right visualizations based on the type of data and the mess-age we want to Convey we also learned. about Customizing visual Elements, using themes, and Enhancing reports with inter-active features like slicers and drill-throughs.

WEEKLY REPORT

WEEK – 4 (From Dt. 22/7/24 to Dt. 26/7/24)

Objective of the Activity Done: Advanced – Analytics and DAX

Detailed Report: week four delved into advanced analytics and Data analysis Expression (DAX) in power BI.

we learned how to create Calcula-ted columns, measures, and custom tables using DAX. The training Covered Complex DAX functions Such as time intelligence, filtaing, and aggregation.

we also Explored advanced analytical techniques like trend analysis, forecasting, and what if scenarios.

The week Ended with Excciser to build dynamic reports using DAX - driven insights.

WEEKLY REPORT

WEEK – 5 (From Dt. 29/7/24 to Dt. 2/8/24.)

Objective of the Activity Done: Power BI Service and Collaboration

Detailed Report: The fifth week Covered the power BI Service and its Collobrations features.

we learned how to publish reports to the power BI Saivce, 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 integrations with other microsoft tools. like Excel, Teams and share point, making it Easier to Collaborate and share insights across the organization.

Objective of the Activity Done: Best practices and Industry applications.

Detailed Report: In the final week of intern-ship classes, we focussed on best practices in data analytics and realworld applications of power BI across various Industries.

we discussed key strategies for optimi-zing data models, Enhancing report performance, and maintaing data governance.

The sessional also included case studies showcasting how Companies use power BI for Bussiness intelligence, Sales analysis, financial reporting, and oper-ational efficency. the week wrapped up with an Overview of the up-Coming project work. we wrote a grand Assesment test.

Objective of the Activity Done: Project work data analysis and Visualisation

Detailed Report:

The seventh week marked the begining of the project phase.

we started by defining the project scope, objectives and deliverables.

The project involved analyzing a data set provided by smartinternz cleaning and transforming the data, and building a data models.

Our team focued on Identifying Key matrics, 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.

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 visuals appeal and usability of the dashboards by adding interactive elements and Ensuring the data was accurately represented. the week Eulminated with a presentation to the Smart Intenz term 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, making a Successful Conclusion to be the intership.