Objective of the Activity Done: Introduction to Data Analysis

Detailed Report: Agenda of Data Analysis

- Introduction to data Analysis and Business intelligence
- Business problem and Solution
- PowerBI in Action
- Introduction to powerBI
- PowerBI Architecture
- Data to Isights flow is PowerBI

Explaining The Data Analysis, Data Analysis tools and Techologies, The explaining data mangement and data visualization and The data Analytics Application Business Intelligence and it's tools. Types of business Analytics. How the dowload PowerBI. The data analytics process and dowload PowerBI. the data Analytics process and types of Analytics. Explain about Difference between Business analysis and data analytics. Now. Introduction to PowerBI and PowerBI Architecture. The loading data and cleaning data creation of visualization and types of visualization Explaination of data loading and data cleaning The explaination of bar chart, Coloumn chart, Pie chart and scatter plot.

Objective of the Activity Done:
Functions and Power BI service
Detailed Report:

The functions of Power BI includes All No BLANK Row, Calculate, Filter, match By, order by and Calculate table

→ Sales analytics: It provides valuable issights into Customer behavior, Sales performance, and areas where Processes can be improved.

→ Defined key performance indicators (KPIS) such as Sales growth, Customer acquistion, 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 story telling techniques to communicated findings effectively.

→ Recived positive feedback from mentors on the practical application of Power BI skills

→ Finally the focus of this week was on applying Power BI skills to a real world Sales analytics.

Objective of the Actuvity Done:

Data Visualization with PowerBI

Detailed Report:

From The visualizations Pane, select the type of chart or graph you what to create.

• Drag fields from your data model (located in the Fields Pane) into the appropriate areas in the Visualization Pane

• use the Format Pane to Customize your visual, including colors, labels titles, and more.

• You can add multiple visualizations to a single report Page.

• By default Visualization on the same Page are interactive. clicking on one visual will filter or highlight related data in other visuals

• Slicers are a great way to add inter-active filters to your report, allowing users to filters data by specific criteria (e.g, data range, categories).

• once your report is reduceded Can publish it to the PowerBI service by clicking publish in the Home Tab.

Objective of the Activity Done:
Analytics and Dax
Detailed Report:
Foluses on understanding past data and what has happed
• Examines data to understand why something happened.
• uses statistical models and machine learning techiques to predict future outcomes based on historical data.
• suggests actions you can take to affect desired outcomes
• DAX has a wide range of functions including date/time, filter, logical, and math functions
• These include arithmetic operators (+, -, *, /), comparison operators (>, <, =), and text conlatenation (&).
• DAX operates in two main contexts, Row context and filter context. understanding these contexts in crucial for creating accurate DAX Formulas.

Objective of the Activity Done:

Functions and Power BI service

Detailed Report:

The functions of Power BI includes All, ALL No BLANK Row, Calculate, Filters, match By, order by and Calculate table.

→ Sales Analyticst Received a data set representing sales, data from a functional company.

→ Defined Key Performance indicatois such as Sales growth, customer and product performance

→ Built a sales dashboard to visualize the identify trends, outlines and areas for improvement

→ we learned have to publish repolts to the power BI service, sphase Dashboards and with tearm members in real time

→ A windows application used to create and design repolts and data models. users and connect to various data sowrus, Clean and transform data, create visualization, and write DAX Functions to perform calculations.

→ A cloud-based services where users can publish and share power BI repolts and dash--boards created in power BI Desktop. key features include.

Objective of the Activity Done:

Report and Performance training.

Detailed Report:

Gathering quantitative and data on employee performance.

→ Using tools like surveys assesments, and performance reviews

→ Analyzing performance data to identify trends strengths, and areas for improvement.

→ Comparing actual performance against set goals and benchmarks

→ Creating reports that summarize performance data and provide actionable insights

→ sharing reports with relevant stake holders, including management HR, and employees.

→ Training on specific tools, technologies, or methodologies relevant to the Job.

→ Enhancing communication, teamwork leadership, and problem-solving abilities.

→ Focused on the particular tasks and responsibilities associated with an employee's role

→ setting clear, measureable goals for performance improvement.

Objective of the Activity Done:

Assignment of project work.

Detailed Report:

Assign tasks based on each team member's strengths and areas of expertise

→ Give tasks that allow team members to grow in their roles or learn new skills.

→ Clearly define what is expected from each task, including deadlines and deliverables

→ Explain how each task fits into the overall project and how team member's work affects others.

→ Include key milestones, deadlines, and check-ins critical tasks are scheduled early to avoid bottlenecks

→ Ensure team members have the tools, information and sport they need.

→ Encourage team members to reach out with questions or concerns.

→ schedule regular check-ins to discuss progress and address challenges.

→ use project management tools for tracking tasks and deadlines.

Objective of the Activity Done:

Final Submission Of Project work

Detailed Report:
Gather all documents, reports, and any other deliverables into a single file or folder.

→ Include a table of contents if the project is lengthy or has multiple sections.

→ Add any additional materials, like raw data or supplementary document, to be appendices

→ Save the Project in the required format (e.g PDF, word document)

→ Name the files according to the guidelines Provided (e.g., Project Name - TeamName - Date").

→ Ensure that the layout is clean, with proper margins, headings, and Page numbers.

→ If required, Prepare a presentation summarizing the key points of the project.

→ Ensure all supporting documents, such as references, are complete and properly cited

→ upload the project to the specified and Portal or send it via email as instructed.

→ Save a copy of the submitted project and any related materials.