

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 8-7-2024	Introduction of data Analytics	Analysis of the topic	
Tuesday Day - 2 9-7-2024	Introduction of data Analytics	Analysis of the topic	
Wednesday Day - 3	Agenda and understanding customers.	Clear view of business problem and solutions	
Thursday Day - 4	Analysis and implementing data	Putting the data in visual form	
Friday Day - 5	Data Analytics application	where it is used to learn about different tools and insights	
Saturday Day - 6	Researched the additional information online.	Additional information about Data Analysis.	

WEEKLY REPORT

WEEK - 1 (From Dt. 3/7/24 to Dt. 5/7/24.....)

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

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 businesses. The sessions covered the basics 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.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1	Data Analytics applications	Learned about different tools and insights	
Tuesday Day - 2	Data Analytics application	where it is used in different method.	
Wednesday Day - 3	Data Analytics process and steps in Data Analytics	learned about data clearing and data processing	
Thursday Day - 4	Data Analytics process and steps in Analytics	learned about data clearing and data processing	
Friday Day - 5	Types of Data Analytics	Different types in data Analytics in clear way	
Saturday Day - 6	Revision on given topics	Revised about Data Analytics.	

WEEKLY REPORT

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

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 to clean, reshape, and prepare data using power query editor. The training covered essential functions like filtering, merging and appending datasets.

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.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1	business problems and the solutions [practise]	challenges faced in organization	
Tuesday Day - 2	Business problems and the solutions [practise]	challenges faced in organization	
wednesday Day - 3	power bi in Action	visible insights & sales for cost	
Thursday Day - 4	power BI Architecture	learned about structure	
Friday Day - 5	Power BI Architecture	learned about structure	
Saturday Day - 6	Revision on given topics	Revised about Data Analytics	

WEEKLY REPORT

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

Objective of the Activity 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 sessions included best practices for selecting 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 slicers and drill-throughs.

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1	Data to insights flow in power BI.	learned about data and model view	
Tuesday Day - 2	Tables and merges	learned about the kinds in merge	
Wednesday Day - 3	Tables and merges	learned about the kinds in merge	
Thursday Day - 4	ERL Tools in power query	Visualizing power BI data flows	
Friday Day - 5	ETL Tools in power query	Visualizing power BI data flows	
Saturday Day - 6	Researched the additional information online	Additional information about BI.	

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, 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 trend analysis, forecasting and what-if scenarios.

The week ended with exercises to build dynamic reports using DAX-driven insights.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1	data sources dash boards and insights	learned how these are used in BI.	
Tuesday Day - 2	Data collection and data cleaning	learned about the process in Data Analytics	
Wednesday Day - 3	Data correction and data cleaning	learned about the expression and functions	
Thursday Day - 4	Data Analytics expression (DAX)	learned about the expression & function	
Friday Day - 5	Data Analytics expression & (DAX)	learned about the expression and functions	
Saturday Day - 6	Discussion Regarding project	discussed about project	

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 powerBI service and its collaborations features. We learned how to publish reports to the powerBI 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 integrations with other microsoft tools. like excel, Teams and share points, making it easier to collaborate and share insights across the organization.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1	Filter Functions in DAX	different filters in DAX	
Tuesday Day - 2	Filter Functions in DAX.	different filters in DAX	
Wednesday Day - 3	Preparations for grand assessment test	Preparation for assessment test	
Thursday Day - 4	preparation for grand assessment test	Preparation for assessment test	
Friday Day - 5	Grand assessment test.	gave the grand assessment test	
Saturday Day - 6	Researched the additional information online	Additional information about power BI.	

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WEEK - 6 (From Dt. 5/8/24 to Dt. 11/8/24)

Objective of the Activity Done:

Best practices and Industry Applications

Detailed Report:

In the final week of internship classes, we focused on best practices 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 governance.

The sessions also included case studies showcasing how companies use power BI for Business Intelligence, sales analysis, financial reporting, and operational efficiency. The week wrapped up with an overview of the upcoming project work.

WEEKLY REPORT

WEEK - 7 (From Dt. 12/8/24. to Dt. 16/8/24.....)

Objective of the Activity Done:

Project work 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 data set provided by smart interns cleaning and transforming the model data, and building a data model.

Our team focused on identifying country / Territory, capital, Continent, 1970-2022 population, area, density, Growth Rate by using those rows we created dashboard.

The initial report and dashboard where create to visualize their insights, using the skills and techniques learned over the last 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 requirement.

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 explore the rural population all over the world.

The project was well received by making dashboards & reports as a successful conclusion to be a part of this internship.