

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Introduction of data analytics	Analysis of the topic	
Day - 2	Introduction of data analytics	Analysis of the topic	
Day - 3	agenda and understanding customers	clear view of business problem and solutions	
Day - 4	Analysis and implementing data	putting the data in visual form	
Day - 5	data analytics application	learned about different tools and insights	
Day - 6	Researched the additional information online	additional information about DA	

WEEKLY REPORT

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

Objective of the Activity Done: Introduction to data Analytics and ^{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 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.

Second
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Data analytics applications	learned about different tools and insights	
Day - 2	Data analytics application	where it is used in diff sec	
Day - 3	data analytics process and steps is DA	learned about data cleaning and processing	
Day - 4	data Analytics process and steps is DA	learned about data cleaning and processing	
Day - 5	types of data Analytics	different types in DA in clear way	
Day - 6	Revision on given topics	Revised about DA	

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 trans.

formation and modelling 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 data sets.

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.

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Third
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Business problems and the solutions (practise)	challenges faced in organization	
Day - 2	Business problems and the solutions (practise)	challenges faced in organization	
Day - 3	Power BI in action	visible insights & sales for cost	
Day - 4	BI architecture	learned about structure	
Day - 5	BI Architecture	Learned about structure	
Day - 6	Revision on given topics	Revised about DA	

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 practicals 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.

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Fourth
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Data to insights flow in power BI	learned about data and model view	
Day - 2	Tables and merges	learned about the Kids in merge	
Day - 3	Tables and merges	learned about the Kids in merge	
Day - 4	ETL tools in power Query	utilize power BI data flows	
Day - 5	ETL tools in power Query	utilize power BI data flows	
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 delveloped 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.

Fifth
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	data sources dash boards and insights	learned how these are used in BI	
Day - 2	data collection and data cleaning	learned about the process in DA	
Day - 3	data collection and data cleaning	learned about the process in DA	
Day - 4	data Analytics Expressions (DAX)	learned about the Expression and functions	
Day - 5	data analytics Expressions (DAX)	learned about the Expression and functions	
Day - 6	discussion Regarding project	discussed about project	

WEEKLY REPORT

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

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Objective of the Activity Done:

power BI service and collaboration

Detailed Report:

The fifth week covered the power BI service and its collaborations 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), data 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.

Sixth
ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	filter functions in DAX	different filters in DAX	
Day - 2	filter functions in DAX	different filters in DAX	
Day - 3	preparations for grand assessment test	preparation for assessment test	
Day - 4	Preparation for grand assessment test	preparation for assessment test	
Day - 5	grand assessment test	gave the grand assessment test	
Day - 6	Researched the additional information online	additional information about BR	

WEEKLY REPORT

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

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 realworld applications of powerBI 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.

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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 internz cleaning and transforming the data, and building a data model.

The initial 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.

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 interns 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, making a successful conclusion to the internship.