

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Monday Day - 1	Introduction of data Analytics	Analysis of the topic	
Tuesday Day - 2	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	Learned about different tools and insights	
Saturday Day - 6	Researched the additional information online	additional information about DA	

WEEKLY REPORT

WEEK - 1 (From Dt.03/3/24. to Dt ..5/7/24.....)

Objective of the Activity Done:

Introduction to Data Analytics

Detailed Report:

In the first week we were introduced to the fundamental of data analytics, emphasizing the role of data driven decision-making in modern business. 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 integrated 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 application	learned about different value and insights	
Tuesday Day - 2	Data Analytics application	where it is used in diff sec	
wednesday Day - 3	data Analytics process and steps DA	learned about data cleaning and processing	
Thursday Day - 4	Data Analytics process and Steps o DA	learned about data clearing and processing	
friday Day - 5	Types of data Analytics	Different types in DA in clearway	
Saturday Day - 6	Revision on given topics	Revised about DA	

Objective of the Activity Done:

Detailed Report:

Data transformation and Modeling

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 hierarchy.

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 based on Organization	
Tuesday Day-2	Business problems and the solutions (practise)	challenges based on Organization	
Wednesday Day-3	Power BI in Action	Visible insights about Sales Govt cost	
Thursday Day-4	BI Architecture	Learned about Structure	
Friday Day-5	BI Architecture	Learned about Structure	
Saturday 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 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 slices and drill-throughs

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	ETL tools in power query	white power BI data flows	
Friday Day - 5	ETL tools in power query	white 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 DA	
Wednesday Day - 3	Data collection and data cleaning	Learned about the process in DA	
Thursday Day - 4	Data Analytics Expressions (DAX)	Learned about the expression and function	
Friday Day - 5	Data Analytics Expressions (DAX)	Learned about the expression and functions	
Saturday Day - 6	Discussion regarding Project	Discussed about project	

WEEKLY REPORT
WEEK-5 (From Dt. 29/12/24..... To Dt..... 2/1/24.....)

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), and managing workspaces

We also explored Power BI's integrations with other Microsoft tools like Excel, Teams and SharePoint 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 filter in DAX	
Wednesday Day - 3	preparation for grand assessment test	Preparation for assess- ment 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 information online	Additional/ Information about BI	

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 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:

Detailed Report:

Project work - data analysis visualization

The Seventh week marked the beginning of the defining the project scope objectives and deliverables.

The project involved analyzing a dataset provided by Smart Internz cleaning and transforming the data and building a data model.

Our team focused on identifying key matrices, 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:

Detailed Report:

Finalization and presentation
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 Intern 2 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 Internship