

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.	
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.	where it is used learned about value and insight.	
Day - 6	Researched the additional information.	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 the data-driven decision-making in modern business, the sessions covered the basis of data Analytics. 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 Application	learned about different table and insights.	
Tuesday. Day - 2	Data Analytics Applications	where it is used in diff sec.	
wednesday. Day - 3	Data Analytics Process and steps in DA.	learned about data clearing and Processing	
Thursday. Day - 4	Data Analytics Process and steps in DA	learning about data clearing and Processing.	
Friday. Day - 5	Types of Data Analytics.	Different types in DA in clear way.	
Saturday. Day - 6	Revision on given topics.	Revised about DA.	

WEEKLY REPORT

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

Objective of the Activity Done:

Data Transformation and Modeling

Detailed Report:

The second week focused on data transformation and Prepare data within Power BI.

We learned to clean reshape and Prepare data using Power BI Editor.

The training covered essential function like filtering merging and appending data set.

Additionally we were introduced data modeling concept such as relationship 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 forecast.	
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 visualization 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	ETL tools in Power Query.	whilte Power BI Data flows.	
Friday Day - 5	ETL tools in Power Query.	whilte Power BI Data flows.	
Saturday Day - 6	Researched the additional information online.	Additional information about BI.	

WEEKLY REPORT

WEEK - 4 (From Dt. 24/7/24.... to Dt. 25/7/24.)

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 functions such as time intelligence filtering and aggregation.

We also explored advance analytical techniques like trends 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 process expression and functions	
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 Power BI services and its collaborations features. We learned how to publish reports to the Power BI services, 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 integration with other Microsoft tools like Excel, Teams, and SharePoint, making it easier to collaborate and share insights across the organization.

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ACTIVITY LOG FOR THE SIXTH 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 functions	
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 - 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 one study showcasing how companies use Power BI for business intelligence.

Sales analyzing, financial reporting and operational efficiency the week wrapped up with an overview of the upcoming project work.

ACTIVITY LOG FOR THE SEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Team Allotment	Selection of team leads and team members.	
Day - 2	Mentor Allotment.	Assigning Mentors to each team.	
Day - 3	Team Project topic Selection.	Selected Project. Topic: Understanding Gun Violence: Analyzing Trends and Patterns in America with Power BI.	
Day - 4	Division of team Project tasks.	Divided the Project tasks into Systematic Project.	
Day - 5	Assigning tasks to team members.	Assigning task to team members and updating the same in GitHub.	
Day - 6	Create the dashboard	Create dashboard in the Power BI.	

WEEKLY REPORT
WEEK-7 (From Dt....18/8/24..... to Dt....16/8/24.....)

Objective of the Activity Done:

Project work data analysis of visuali

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.

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.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Creating the report about the Project.	Create in Report in Power BI.	
Day - 2	Video Demonstration of Project.	Create Video Demonstration on Project.	
Day - 3	Project Report writing.	Drafting the final Project.	
Day - 4	Project report writing.	Drafting the final Report.	
Day - 5	Register the Git hub for uploading the data.	Upload the dashboard and reports in the Git hub.	
Day - 6	Project Report finalization and Submission.	Conclusion and Submission of final Report.	

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 Internz 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, marking a successful conclusion to the internship.