

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 8-7-2H	Introduction of data analytics	Analysis of the topic	
Tuesday Day - 2 9-7-2H	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 putting the data	data in visual form.	
friday Day - 5	data Analytics application	learned about tools and insights	
Saturday Day - 6	Researched the additional information online	additional information about DA.	

WEEKLY REPORT

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

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 session 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 application	learned about different tools and insights.	
Tuesday Day - 2	Data analytics application	where it is used in diff sec.	
wednesday Day - 3	Data analytics process and steps in DA.	learned about data learning and processing	
Thursday Day - 4	Data analysis process and steps in DA	learned about data cleaning 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.	

Objective of the Activity Done:

Data transformation and modeling

Detailed Report:

The second week focused on data transformation and modeling with in 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.

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 (Proutise)	challenges faced in organization	
Tuesday Day - 2	business problems and the solutions (Proutise)	challenges faced in organization.	
Wednesday Day - 3	power BI in Action	visible insights & sales for 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 OA.	

Objective of the Activity Done:

Detailed Report:

Data visualization Techniques
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 insight 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 supply query.	utilize power BI data flows.	
Friday Day - 5	ETL tools in power query	utilize 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.....25/7/24.....)

Objective of the Activity Done:

Detailed Report:

Advanced analytics and DAX

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 dashboards 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 analytic 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-5 (From Dt. 27/7/24..... To Dt..... 2/8/24.....)

Objective of the Activity Done:

Detailed Report:

Power BI Service and collaboration

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 function in DAX.	different filters in DAX.	
Tuesday Day - 2	filter function w/ DAX.	different filters w/ 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	Described the additional information online	additional information about BP.	

Objective of the Activity Done:

Detailed Report:

Best practices and industry applications

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.

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 mentor to each team	
Day - 3	Team Project topic selection and Division of team Project tasks.	Divided the Project tasks into a systematic Project out flow / layout	
Day - 4	Collecting the Data	Collect the data from kaggle web site.	
Day - 5	Create a Visualization in the given data	Create the visualization like graphs, bar graph, and pie chart etc.	
Day - 6	Create the dashboard	Create dashboard in the Power BI	

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 and visualizations

The seventh week marked the beginning of the Project phase.

our project name was optimizing travel insurance sales and customer insights using Power BI

The Project involved analyzing a data set provided by smart intenz and transforming the data and remove the nulls in the data and next load into the Power BI

In Power BI we have to create a some graphs, bar charts and pie charts and also creating the dash boards in the Power BI

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 a report in Power BI	
Day - 2	Video Demonstration of Project	Create Video Demonstration on Project	
Day - 3	Project Report writing	Drafting the final Report	
Day - 4	Project Report writing	Drafting the final Report	
Day - 5	Register the Github for upload the data	upload the dashboard and reports in the Github	
Day - 6	Project Report finalisation and submission	Conclusion and Submission of final Report.	

Objective of the Activity Done:

Detailed Report:

Finalization and Presentation
In the final week, we complete the project reports and weekly reports in the project.

We complete the Project by refining our reports and dash board, ensuring they met the project requirement.

And our team sign up into the GitHub and upload the dash board and reports and creating video demo about the project this are uploading in the GitHub.

The project was well received marking a successful conclusion to be the internship.