

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 8-7-24	Introduction of data Analytics	Analysis of the topic	
Tuesday Day - 2 9-7-24	Introduction of data Analytics	Analysis of the topic	
Wednesday Day - 3	Agenda and understanding Courtemery	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 insight	
Saturday Day - 6	Researched the additional information online	additional information about DA	

WEEKLY REPORT

WEEK - 1 (From Dt. 3/7/24 to Dt. 6/7/24)

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.

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 problem and steps is DA	learned about data cleaning and processing	
Thursday Day - 4	Data Analytics problem and steps is 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 topic	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 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 (Proulise)	challenges faced in organization	
Tuesday Day - 2	Business problems and the solutions (Proulise)	challenges faced in organization	
Wednesday Day - 3	Power BI in Action	Visible insights 2. 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 DA	

WEEKLY REPORT

WEEK - 3 (From Dt. 18/7/24 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	ETL tools in Power Query	write Power BI data flows	
Friday Day - 5	ETL tools in Power Query	write 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 Analytics Expressions (DAX)	learned about the process in DA	
Thursday Day - 4	Data Analytics Expressions (DAX)	learned about the expression and functions	
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. 29/7/24 to Dt. 2/8/24)

Objective of the Activity Done: Power BI Service and Collaboration

Detailed Report: The fifth week covered the Power BI 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 work space.

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 DAY	Different filters in DAY	
Tuesday Day - 2	filter functions in DAY	Different filters in DAY	
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 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: 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 dataset 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.

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 the insights could be applied to the analyze " Mapping Emergencies" 1 Million 911 Calls Service".

The project was well received by making dashboards and report as a successful conclusion to be a part of this in internship.