

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 in online	Additional information about data analytics.	

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:

On 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 in this are 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 the data in Power BI.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Data analytics application	Learned about different tools and insights.	
Day - 2	Data Analytics application	Where it is used in different sections.	
Day - 3	Data analytics process and steps in data analytics	Learned about data clearing and processing	
Day - 4	Data analytics process and steps in data analytics.	Learned about data clearing and processing	
Day - 5	Types of data analytics.	Different types of data analytics in clear way	
Day - 6	Revision on given topics.	Revised about Data analytics.	

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 data 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 data sets.

Additionally, we were introduced to data modeling concepts such as relationships, cardinality and data hierarchies.

The practical sessions helped us in strengthen 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
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 data analytics.	

WEEKLY REPORT

WEEK - 3 (From Dt. 15-7-24 to Dt. 19-7-24.....)

Objective of the Activity Done: Data visualization Techniques.

Detailed Report:

On 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
Day - 1	Data to Insights flow in power bi	Learned about data and model view.	
Day - 2	Table and merges	Learned about the kinds in merges.	
Day - 3	Tables and merges	Learned about the kinds in merges.	
Day - 4	ETL Tools in power query	Visualizing power BI data flows.	
Day - 5	ETL Tools in power query	Visualizing Power BI data flows.	
Day - 6	Researched the additional information online.	Additional information about BI	

WEEKLY REPORT

WEEK - 4 (From Dt.....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 analytics expression (DAX) in powerBI. We learned how to create, calculated column, 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
Day - 1	Data sources, dashboards, and insights.	learned how these were used in BI.	
Day - 2	Data collection and data cleaning.	learned about the process in data analytics.	
Day - 3	Data correction and Data cleaning.	learned about the expression and functions.	
Day - 4	Data analytics expression (DAX)	learned about the expression @ function.	
Day - 5	Data analytics expressions (DAX)	learned about the expression and function	
Day - 6	Discussion Regarding Project	Discussed about project.	

WEEKLY REPORT

WEEK - 5 (From Dt. 29-7-24 to Dt....02-08-24....)

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 share points , 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
Day - 1	Filter functions in DAX.	Different filters in DAX.	
Day - 2	Filter functions in DAX.	Different filters in DAX.	
Day - 3	Preparation 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 Power 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:

On 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 showing 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. 12/18/24 to Dt.....16/01/24.....)

Objective of the Activity Done:

Project work data analysis & 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 Intern3 cleaning and transforming the data and building a data model.

Our data set consists of rows named as states, constituency names & types, candidate names, their gender and party they belongs to and votes and vote share percentage, turnout %, and winning margin %. and total electors of states and valid votes in it.

The initial reports and dashboards were created to visualize their 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 the insights could be applied to analyze 2019 Lok Sabha candidate results.

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