

**WEEKLY REPORT**

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

Power BI

**Objective of the Activity Done:** Introduction to Data Analytics and

**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 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 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 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 costumes	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	learn about different tools and insights	
Saturday Day -6	Researched the additional information online	additional information 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 data Practical Sessions helped reinforces these concepts by allowing us to create and manage data models effectively.

## 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 cleaning and processing	
Thursday Day -4	Data Analytics 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	

## 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.

### 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 (P&outise)	challenges faced in organization	
tuesday Day -2	Business problems and the solutions (P&outise)	challenges faced in organization	
wednesday Day -3	Powered 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 DA	

## 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 calculate 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 FORTH 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	ETL tools in Tables and Power Query merges	utilize power learned about BI data the kinds in flows merge	
thursday Day -4	ETL tools in power 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 - 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 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 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 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 - 6 (From Dt. 5/8/24 to Dt. 9/8/24.....)

### Objective of the Activity Done:

Best practices and Industry applic - ations

### 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 a review of the upcoming project work.

## ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
monday Day -1	filtered functions in DAX	different filters in DAX	
Tuesday Day -2	filtered functions in DAX	different filters in 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	researched the additional information online	additional information about BI	

## WEEKLY REPORT

WEEK - 7 (From Dt. 12/8/24 to Dt. 16/8/24.....)

**Objective of the Activity Done:**

Project work data Analysis and visualizations

**Detailed Report:**

The seventh week marked the beginning of the project phase

Our Project name was Academic Performance Stress of Students

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 some graphs, bar charts and pie charts and also creating the dashboards in the Power BI

## 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 and Division of team project tasks.	Divide the project tasks into a systematic project outflow / layout	
Day -4	collecting the Data	collect the data from Kaggle website	
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 - 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, KIe completed the project by refining our reports and dashboards, ensuring they met the project requirements.

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

The project was well received marking a successfull consvision to be the intension

## ACTIVITY LOG FOR THE EIGHT 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 of the data	Upload the dashboard and reports in the Github	
Day - 6	Project Report Finalization and submission	Conclusion and submission of final report	