## 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 coustumeres | clear view of buisness problem and solutiones | |
| Day – 4 | Analysis and implementing data | Putting the data in visual form | |
| Day – 5 | data Analytics application | learned about different toules and insightes | |
| Day –6 | Researched the additional in fomation online | additional informa-tion about DA. | |

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

**Detailed Report:** In the first week, we were introduced to the fundementales of data analytics, Emphasizing the role of data-driven decision making in Modeern business. The sessiones convered the basices of data analytics, Different typees of data, and the importance of data Viastialization.

We also Explored Power BI, understanding its interface, featurees, and how it integrated with other Microsoft productes.

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 |
|---|---|---|---|
| Day – 1 | Data Analytics application | learned about different tools and insights |  |
| Day - 2 | Data Analytics application | where it is used in diff sec |  |
| Day – 3 | data Analytics process and steps is DA | learned about data clearing and processing |  |
| Day – 4 | data Analytics process and steps is DA | learned about data clearing and processing |  |
| Day – 5 | types of data Analytics | different type in DA in clear way |  |
| 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 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 dataset.

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

The practical sessions helped reinforces 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 | buisness problems and the solutions | challanges fased in organisation | |
| Day – 2 | business problems and the solutiones | challenges fased in organization | |
| Day – 3 | Power BI in Action | visible insights & sales for cost | |
| Day – 4 | BI Architecture | learned about stewature | |
| Day – 5 | BI Architecture | learned about Structure | |
| Day – 6 | Revision on given topics. | Revised about DA | |

**Objective of the Actuvity 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 chartes, graphas, and mapos that can be created in power BI to Viscualization. data insightes.

The sessionos included beast practicees for selecting the right Viscualization boosed on the type of data and the message we want to Convley. we also leeened about Custami-zing Visual Elementos, uosing themeos, and Enhancing reportos with interective featurees like siceros and drill-throughos.

## 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 | tables and menges | learned about the kinds in merge | |
| Day – 3 | table and merges | learned about the kinds in merge | |
| Day – 4 | ETL tools in Power query | utilize power BI data flows | |
| Day – 5 | ETL tools in Power query | utilize power BI data flows | |
| Day –6 | Reserched the additional information online | additional Information about BI | |

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 Analytics Expreession (DAX) in Power BI.

We learned how to create calculated columns, measures, and custom tables using DAX. The training convered complex DAX functions such as time intelligence filtering, and aggregations.

We also Explored advanced analytical techniques like trend analysis, forecasting, and what if scenarious.

The week Ended with Excersises to build dynamic reportes. eding DAX - driven insightes.

## ACTIVITY LOG FOR THE FIFTH WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|---|---|---|---|
| Day – 1 | data sources dash boards and insights | learned How these are used in BI | |
| Day – 2 | data collection and data cleaning | learned about the process in DA | |
| Day – 3 | data Collection and data cleaning | learned about the process in DA | |
| Day – 4 | data Analytics expressions (DAX) | learned about the expression and functions | |
| Day – 5 | data Analytics expression (DAX) | learned about the expression and functions | |
| Day – 6 | discussion Regarding project | discussed about project. | |

**Objective of the Activity Done:**

Power BI service and collabration

**Detailed Report:**

The fifth week convered the power BI service and its collobrations featurees.

We learned how to publish reports to the power BI. seavice. Share dashboardes and collobrate with team memberes in real time. The sessiones Emphasized data security, rrow-level security. (RLS), and managing workspaces.

We also Explored power BI's integreations with other microsoft skills. tooles. like Excel, Teamas, and share point, making it easier to collobrate and share insightes 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 functiones in DAX | different filters in DAX | |
| Day - 2 | filter functions in DAX | different filters in DAx | |
| Day – 3 | Preparations for grand assessment test | Preparation for assessment test | |
| Day – 4 | Preparation for grand assessment test | preparation for assessment test | |
| Day – 5 | grand assessment test | grave the grand assessment test | |
| 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 practice 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 accross various industries.

We dicussed 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 on overvoice of the upcoming project Work.

**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 providing by smart interns. cleaning and transforming the data and building a data models.

Our team focused on identification key metrices, trends, and patterns that could drive business decisiones.

The initial reports and dashboards were created to visualize there insights, using the skills and techniques learned over the past six weekas.

**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 for our findings, explained the methodologies used, and demonstrated how the insights could be applied to solve data analytics.

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