

ACTIVITY LOG FOR THE FIRST WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-charge Signature |
|----------------------|--|---|----------------------------|
| monday Day - 1 | introduction of data Analytics | Analysis of the topic | |
| Tuesday Day - 2 | introduction of data Analytics | Analysis of the topic | |
| wednesday Day - 3 | Agenda And understanding customers | clear view of business problem And solution | |
| thursday Day - 4 | Analysis And implementing data | Putting the data in visual form | |
| Friday Day - 5 | data Analytics Application | where it is used learned about different tools And insights | |
| Saturday Day - 6 | Please searched the Additional in - formats online | Additional information about DA | |

WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt.....)

Objective of the Activity Done: Introduction to data Analytics And ^{Powers 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 analytics, 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 is DA | learned about data cleaning And processing | |
| Thursday Day -4 | data Analytics Process And Steps is DA | learned about data cleaning And processing | |
| Friday Day -5 | types of Data Analytics | different types in DA in clean way | |
| Saturday Day -6 | Revision on given Topics | Revised about DA | |

WEEKLY REPORT
WEEK-2 (From Dt.....to Dt.....)

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, response 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 train forces these concepts by allowing us to create And mange 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 | Powers 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 | |

Objective of the Activity Done:

Detailed Report:

Data visualization Techniques

In the third week, the emphasis was on data visualization techniques using power IIT.

We explored various types of charts, graphs, And maps that can be created in power IIT 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 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 | 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 | |

WEEK-4 (From Dt..... To Dt.....)

Objective of the Activity Done:

Detailed Report:

WEEKLY 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 dash boards and insights | learned how these are used in BT | |
| 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 | discussed about project | |

WEEKLY REPORT
WEEK-5 (From Dt..... To Dt.....)

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 SIXTH WEEK

| Day & Date | Brief description of the daily activity | Learning Outcome | Person In-Charge Signature |
|----------------------|--|---------------------------------------|----------------------------|
| MONDAY Day - 1 | filter functions in DAX | different filters in DAX | |
| Tuesday Day - 2 | filter functions 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-6 (From Dt..... to Dt.....)

Objective of the Activity Done:

Best practices and industry

Detailed Report:

applications

In the final week of internship class, 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..... to Dt.....)

Objective of the Activity Done:

Project work data analytics & 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 intern, cleaning and transforming the data and building a data model.

Our data set consists of rank, youtube, subscribers, video views, category, title, uploads, country, Advertisation, channel type, create date, population, latitude, longitude, highest early earning, created year.

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

WEEKLY REPORT
WEEK-8 (From Dt..... to Dt.....)

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 interz team, where we showcased our findings, explained the methodologies used, and demonstrated how the insights could be applied to the analyze "global youtube statistics".

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