Objective of the Activity Done:  Introduction to power BI and Data Analytic
Detailed Report: Data Analysis is the process of implemen
ting a Solution based on insights that has
been generated by performing analysis on the
data based on the user nequirements or
Drublems. to fake better decisions
· The Data Analytics can be used in Everywhere
. Agenda of Data Analysis includes, understanding
the fundamentals of power BI and Emphasizing
the note of data - driven decision-making in
modern businesses
. The sessions covered the basics of data
analysis, differnt types of data are Numerical
data and catengorical data, the importance and
Eypes of dafa visualization. The dafa can be
Aniysis by using Tools, methods and Techniques
· we also explored power BI, understanding its
intexface, features, and how it integrates with off
ex microsoft products
power BI is a data visualization plat form
The week concluded with a hands - on session
on loading and frantosming data in power-Bi

## 

Objective of the Activity Done:  Dafa Transforming and modeing
Detailed Report: The Second week focused on data
Exansformation and modeing within power BI.
· Explored different data connectors available in
power BI, Such as Excel Sal databases and online
Services
we learned how to clean, reshape and prepare data
using Query Editor.
The training covered essential functions like
filtering, mesging and appending data sets
practiced data modeling concepts such as
relationships between tables, cardinality and data
heerarchines.
successfully imported datasets from multiple
Sources into power BI then learning about the
ETC (Extract, Transform, load) process within
power BI and practiced data modeling techinques
· The practical sessions helped reinforce these.
Concepts by allowing us to create and manage data
R

#### WEEKLY REPORT WEEK-3 (From Dt. 151 112 4 .....)

Objective of the Actuvity Done:
Data visualization Techniques  Detailed Report:
Detailed Report: This week focused on creating
Effective and intexactive data visualizations in
bomer PI.
* studied various visualizations options avail-
able in power BI, including various types of charts
graphs, and maps
* The Explored Various types of charts, graphs and
maps that can be created in power be to
visualize data insights
* pourticipated in a hands-on session to design
Interactive dash boards with slice is filters
and derill throught.
. The sessions included-best practices for selec-
ted the righted Visualizations based on the type
of data and the message we want to convery
Designed a comprehensive dash board
featuring key metrics using a mix of visual
Also Learned about customizing vistal
elements, using themes and echanting
reports with Interactive features.

# WEEK-4 (From Dt. 2217124 To Dt. 2617124 )

Objective of the Activity Done: Advanced Data Analysis with De
Detailed Report: This week delved into advanced analytic
and Data Analysis. Expressions (DAX) in power RI
DAX is a formula expression language used in
analysis services.
Dax is also functional language whose fulloade
is kept inside a functions
learned how to create calculated columns measu
res, and rus tom tables using DAX
*The training covered complex DAX functions such
as Aggregate functions, text function, Date
function, logical functions, counting functions and
Information functions, time intelligence, filtering
used DAX to exects calculated columns and
Measures for enhanced analysis
Explored advanced analytical techniques like
trend analysis forecasting, and what it scena-
rious ·
Improved the accuracy and effecting of data
model using advanced Dax.
* The week ended with exercises to build dyna
nic reports using DAX -driven insights.

## WEEKLY REPORT WEEK-5 (From Dt. 2411124 To Dt. 218124 )

Objective of the Activity Done:
Detailed Report: Real -world case study: scales
This week focus on applying power RI
Skills to a seal world scales analytics can
Study.
Received adota set separating scales data from
a tictional company.
Defined key Performance indicates (RPIS)
Such as sales growth, customer acquistion
and product performance.
Buit a scales dashboard to visualize the kpas
and identify trends, outlines and areastor
improvement.
* created a comprehensive sales dash board
that hightghted exectal business insights
+ used donta story telling teachinques to communicate
findings effectively.
* peceived positive feeback from mentors on
the practical application of power box skills.

### WEEKLY REPORT 9/8/24

Detailed Repoil.  This week coverved the power BT.  Service and its collaboration features.  The service, share dark toards and collaborate with tearm members in real attree.  The service supplies and managing work spaces  Also explored power BT's integration with attent microsoft tools like Excel, Teams and Share point, making it earner to collaborate and share point, making it earner to collaborate and share justiglits across the organization
Service and its collaboration features.  "learned you to publish reports to the power Biservice, share dark towards and collaborate with tearm members in real -time.  The session emphasized data security.  The session emphasized data security.
Sexuice and its collaboration features.  * learned how to publish reports to the power  Bi sexuice, share dark towards and collaborate  with tearm members in real at time  The session emphasized data security,  row-level security (kis) and managing  work spaces  + Also explored power bis integration with.  other microsoft took like Excel, Teams and  Share point, making it earier to collaborate  and share jusights across the organization
Biservice, share barn towned, and collaborate with tearm mombers in real attime.  The session emphasized data security,  Thus level security (KLS) and managing workspaces.  Also explored power bis integration with.  other microsoft took like Excel, Teams and share point, making it earier to collaborate and share justights across the organization.
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share point, making it earier to collaborate and share insights arross the organization
and share insights across the organization
· The week eurapped UP with over View
of the upcoming project work.

# WEEK-7 (From Dt. 12 1 8 1 2 4 to Dt. 16 18 2 4 )

Objective of the Activity Done: Prosect work - Data Analysisan Uisvalization Detailed Report:
Visvalization .
Detailed Report:
This week marked the beginning of
the project phase.
to The project involved analyzing a dataset
Providing by Smart Tuter 12, cleaning and
transforming tendata, and building a data
model.
* our team focused on identifying kong
Netrics, trends & patterns that could drive
business decisions
* The incitial reports and days boards were
(seated to Nisvalize there insights,
Using the Skills and takingues learned over
the past six weaks.

# WEEK-8 (Fro. Dt. 19.18) 24 to Dt. 23.18.124 )

Objective of the Activity Cone: Pro Fect work - Finalizations
Detailed Report:
T 10 55 1 and 1 an
Interis week, we completed the
Project by refining our reports and dash-
boards ensuring, they met the project requ
irments.
we focused onenhaning the visual appeal
and usability of the dashboards by adding
interactive elements and ensuring the
data was accurately represented
The week cultinated with a presentation
to the Smart Interns team, where we
Showcased our findings, explained the.
Methodologics used and demonstrated
has the insights could be applied to solve
real business problems.
The projects was well recived, marking
a successful conclusion to the intensing