#### WEEKLY REPORT WEEK - 1 (From Dt 3/7/24 to Dt 5/7/24)

Objective of the Activity Done: Introduction to Power BI and Data Analytics Data Analytics is the process of implementing a solution based on insights that has been generated by performing analysis on the data based on the user neguinements On problems to take better decisions Analytics can be used in Everywhere · Agenda of Data Analytics includes, understanding the fundamentals of power BI and Emphasizing the role of data-driven decision-making modern businesses · The Dessions Covered the basics of data analysis, different types of data are Numerical data and categorical data, the importance and types of data Wisualization. The Data can be Anlysis by using Tools, methods and Techniques. · We also explored power BI, understanding its interface, jeatures, and how it integrates with other Microsoft products. · Power BI is a data Visualization platform. The week Concluded with a hands-on session on loading and transferring data in Power BI.

#### WEEKLY REPORT WEEK-2 (From Dt. 8/7/34 to Dt. 12/7/24)

	ctive of the Activity Done:  Pata Triansportation and Modeling iled Report:
Deta	The Second week Jocused on data
tuo	as loguration and modeling within power BI.
The state of the s	responsation and modeling within power BI.
	sploned different data connectors available in
po	Wer BI, Such as Excel, SQL databases and onlin
- Sto	nuices.
No	e learned how to clean, neshage, and pregare day
u	eing power avery Editor.
	e training covered essential functions like
	tering, merging and appending datasets.
200	acticed data modeling concepts such as
TIE	ationships between tables, candinality, and
da	ta hierarchies.
Su	ccessfully imported datasets from multiple
20	wices into power BI then Learning about the
ET	I (Extract, Transform, Load) process within
por	ver BI and practiced data modeling techniques.
1/1/	e prostical desciont le
	e gractical dessions helped reinforce these
601	reepts by allowing us to create and manage
da	ta models ejectively.
	SA )

### WEEKLY REPORT 19 17 12 H )

Objective of the Actuvity Done:  Data Vibualiza  Detailed Report:	tion Techniques
Detailed Report:  This week jocused on	Concating
effective and interactive data visi	valizations in
gowen BI.	d
· Studied Various Visualizations of	tions available
en power BI, including various	
graphs, and maps.	
mags that can be created in po	vits, graphs and
mags that can be created in po	ewer BI to
Visualize data insights.	
· Participated in a hands-on sesse	on to design
interactive dashboards with sle	
and derill throughs.	γ
· The Sessions included best prac	tices jon
Selecting the night Visualization	, ,
type of data and the message	
Convery.	
Designed a comprehensive da	shboard
Jeaturing Key metrics using a	
Also learned about customizing	wisual
elements, using themes and en	hancing neport
with interactive features.	

## WEEK-4 (From Dt. 22/7/2 To Dt. 26/7/24)

Ol	ojective of the Activity Done:  Advanced Data Analytics with DAX
De	tailed Report:  This week delved into advanced analytics
ar	d Data Analysis Expressions (DAX) in power BI.
	DAX is a formula expression language used
	n analysis services.
	DAX is also functional larguage where full code is
	regt inside a junction.
	Learned how to create calculated Columns,
	measures, and custom tables using DAX.
-	The training Covered Complex DAX functions such
	as Aggregate functions, text function, Date
	function, logical functions, counting functions and
	Injunation functions, time intelligence, filtering
•	wed DAX to create Calculated Columns and
	measures for enhanced analysis.
	Explored advanced analytical techniques like
-	triend analysis, jonecasting, and what-if scenarios
	Improved the accuracy and efficiency of data
	models using advanced DAX.
	The week ended with exercises to build dynamic
	reports using DAX-driven insights.

#### WEEKLY REPORT 9 18 18 4

Objective of the Activity Done:	
Detailed Report:  Real-wanted case study: Sales Analytics	
This week Focus on applying power BI	
Drillo to a real world bales analytics case	
Study.	
Received a dataset representing sales data	1
	-
Defined key personmance indicators (KPI)	
The state of the s	
buch as sales growth, customer acquisition,	-
and product performance.	
Built a sales dashboard to visualize the KPIs	
and identify triends, outliers, and areas jon	
improvement.	
Created a Comprehensive sales Nashboard	_
that highlighted crecial business insights.	
	+
Used data Storytelling techniques to Communic	al
Jindings effectively.	
Freceived positive Jeeback from mentors on	
necaved positive feeting from moraco som	
the practical application of power BI Stills.	

Objective of the Activity Done: Power BI Service and Collaboration  Detailed Report:
Detailed Report: This week covered the gower BT
Dervice and its Collaboration Jeatures.
· Learned how to publish reports to the power
BT Service, Share dashboards, and collaborate
with team members in Heal-time.
· The Dessions emphasized data Decuvity,
now-level Security (RLS), and managing
wonkspaces.
· Also explored power BI's integration with
Other Microsoft tools like Excel, Teams and
Share point, making it casies to Collaborate
and Share insights across the organization.
of the upcoming project work.
of the upcoming project work.

# WEEKLY REPORT WEEK-7 (From Dt. 12 18 12 4 to Dt. 16 18 12 4 )

Objective of th	e Activity Done: Project work - Data Analysis and Visualization.
Detailed Repor	t: This week marked the beginning of
the project	t phase.
Started	by defining the project scope,
	and deliverables.
	ject involved analyzing a dataset
provided	by Smart Internz, cleaning and
	ning the data, and building a
data mo	
Own Lear	n jocused on identifying key
metrics	, triends and patterns that could
drive b	usiness decisions.
The ini	tial reports and dashboards were
CHEated	to visualize these insights,
Using t	he skills and techniques learned
oven th	he skills and techniques learned e past six weeks.
,	

Ob	ejective of the Activity Done: Project work - Finalization and Presentation.
De	tailed Report: In this week, we completed the
pr	soject by refining our reports and dashboards, suring they met the project requirements.
	we socured 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 Internz team, where we
	showcased own findings, explained the
	methodologies used, and demonstrated
	how the insights could be applied to
	Solve neal business problems.
	The project was well neceived, marking
	The project was well neceived, manking a Successful Conclusion to the internship