WEEKLY REPORT

WEEKLY REPORT
WEEK-1 (From Dt. 3 7 24to Dt. 5 7 24)
Objective of the Activity Done:
Detailed Report:
in Boduction to Dala Analytics and
Power B1.
In the first week, we were introduced to
the fundamentals of data analytics, emphasizing
the side of data-driven decision making in
modern businesses. Aftended an oventation
ression on the Enternship objectives and
deliverables completed introduction modules
on power BI, including its interface key
features, and capabilities.
The Bessions covered the basics of data
analysis different type of data, important of data
analysis différent type of data, important of data Visualization we are explosed power BI.
Charles of the finite ylaca language of the
Various types of data sources that can be connected to power BI. and how it integrates with other Microsoft products. Connected to different data sources and performed basic data cleaning. participated in a workshop on basic data cleaning.
to power BI. and how it integrates with other
Microsoft paroducts. Connected to different data
sources and performed basic data cleaning.
participated in a writishop on horse
to deaning and transformation techniques
The contract of the contract o

WEEKLY REPORT WEEK-2 (From Dt. & 7 24 to Dt. 12 7 24)

Objective of the Activity Done:
Detailed Report:
Detailed Report: Data Transformation and Modeling
This second week foused on data transformation
and Explosed different data connectors available in
Power Bl., Such as Excel, SQL database, and online
Services we learned how to clean, oreshape,
and prepare data using power Query Editor and
learned about the ETL (2xtrait i Transform , load)
process within power BI. The training covered
essential function like filtering menging, and
appending detasets. Bocen within power B1.
Poracticed data modeling techniques, includ
-ing Greating relationship between tables, using
DAX (Data Analysis Expressions) functions, and
designing calculated columns.
fuccessfully imported datasets from
multiple sources into power Bl. Used DAX to
Greate calculated columns and measures for
enhanced analysis. The practical sessions belief
reinforce these concepts by allowing us to coreate and manage data models effectively.
and manage data models Effectively.

WEEKLY REPORT WEEK-3 (From Dt. 15 9 24 to Dt. 19724)

Objection of the state of the s
Objective of the Actuvity Done:
Detailed Report: Data Visualization Techniques
In the third week, the emphasis was on
data visualization techniques using power BI.
We explored vous types of charts, graphs,
and maps that can be counted in Power Bl
to visualize data Prisights.
Participated in a hand-on sension to
design interactive dashboard with sticers,
til ters, and drill-thousught we also learned
about customizing usual element, using theme
and enhancing suports with interactive
features like slicers and drill-throughs.
Learned best paactices for choosing
appropriate visualizations sor different data
Line and might
Implemented interacitivity
through elicer and filters to allow users
Implemented interracitivity through slicers and filters to allow users to explore the data dynamically.

WEEK-4 (FIOHI DI
Objective of the Activity Done:
Detailed Report: Advanced Analytics and DAX
in week four delved into advanced analy
tics and data analysis Expressions (DAX) in
power B1. we learned how to weate calculated
DAX. The Israining covered complex DAX function
Such as time intelligence filtering, and
aggregation. Ne also Exploud indranced
constytical techniques like tound analysis,
forecasting , and what - if scenarios. The
forecasting , and what - if scenarios. The week Ended with Exercises to build dynamic
propoits using DAX -douven insights
Worked on a cases study that required
Creating Complex measures to calculate
year - over - year growth and rolling averages
Collaborated with peeus to troubleshoot
year-over-year growth and rolling averages Collaborated with peeurs to troubleshoot DAX - related Essues in our data models

WEEKLY REPORT WEEK-5 (From Dt. 29 7 24 To Dt. 28 24)

Objective of the Activity Done:
Detailed Report: Power Bl Service and Collaboration
The fifth week covered the power B!
pervice and its collaboration features. We
learned how to publish proposit to the power
Bl pervice, show dashborrids, and collabora
with team members in vieal-time. Received
a dataset representing sales data from a
fictional company.
Defined key performance indicators
(KPIs) Such as sales growth, Customer
acquisition, and product performance.
Built in Sales dashboard to Visualize the
KPIs and identify triends , outliers, and
avear for improvement.
He also Emploied Power Blk
integration with other microsoft tools like
freel . Teams, and share point, making it
easier to collaborate and share insights across the organizations.
across the organizations.
V

WEEKLY REPORT 9/8/24 to Dt 9/8/24)

Objective of the Astrict Page:
Objective of the Activity Done:
Detailed Report: Best practices and Industry.
In the final week of internship classes,
de focused on best practices in data analytic
and real-world application key strategies
jor optimizing data models, enhancing suport
performance, and maintaining data
governance learned about power Bl report
governance learned about power Bl report optimization techniques, including data
reduction efficient use of DAX, and query
optimization
exploied best practices so mnaging
large stasets and reducing membry
usage. He discussed key strategies for
optimizing data models, enhancing report
performance, and maintaining data governance
The week serious also included care
studies showcasing how Companies use
power BI for business intelligences, sales analysis, financial reporting, and
analysis, financial supporting and
operational efficiency.
1

WEEKLY REPORT
WEEK-7 (From Dt. 2 & 2 4 to Dt. 6 & 24

Objective of the Activity Done:
Detailed Report: Project work - Data Avalysis
and Visualization
The seventh week marked the beginning
of the project phase whe started by defining
The project scope, objectives, and deliverable
The Explored different Power Bl service
teatures, including cookspaces, shaving
option, and reasonly setting
The project involved analyzing a
dataset provided by Smart Internzi cleaning
and transforming the data and building
a data model published reports to the
and transforming the data and building a data model published reports to the Power BI Service and Configured scheduled
A 1/ F V \ \ \ \ \ \ \ A A A A A A A
The Privial supports and dash board
the finital sceptite and dash board were coverted to visualize these insights, using the skills and techniques learned over the past six week.
wing the skills and techniques learned
over the past six week.

WEEK-8 (From Dt. 19 8 24 to Dt. 23 8 24)

Objective of the Activity Done:
Detailed Report:
Finalization and Presentation.
In the final week we completed the
project by refining our reports and dashbar- ads, enswang they met the project requirements
-ids, Enswing they met the project suguireme
his house on a final project that involved
canalyzing a complex dotaset and presenting
actionable insight to a mack client.
the week culminated with a
presentation to the smoot Intering team
uhere we showased our finding.
Explained the methodologies used, and
demonstrated how the insights could be
applied to Solve real business problems.
Developed a compréhensive power B1. rupou
that included data Exploration, advanced
Visualizations and key recommendations
Rusented the tinal support to the
internship supervisors , showcasing the skill
visualizations and key recommendations Russented the final report to the Enternship supervisors, showcasing the skill and knowledge gained throughout the Enternship.
internsup.