



Power BI Workshop

PRESENTED BY - GROUP #HASHTECH



EXECUTIVE SUMMARY

Throughout this event, we are able to have a deep understanding on how PowerBI works, including the key terms in the platform as well as how to apply it as extra skillset in workplace.

WHAT IS POWER BI ?

A business analytical tool which help user in data visualization to gain useful insights for user's decision-making by generating an interactive dashboard.

KEY TERMS IN POWER BI

- **SEMANTICS MODEL**
 - Have tables, relationship and calculations.
- **VISUALIZATION**
 - Graphical representation like charts.
- **REPORT**
 - Multiple views into single data source.
- **DASHBOARD**
 - Single story drawn from reports.
- **APP**
 - Collection of dashboard & reports.

DATA PROCESSING

1. Download Sample Data from Sources.
2. Prepare Data with Transformation.
3. Create Relationship & Data Modelling.
4. Create Semantics Model.
5. Create Visualization in Report.
6. Save and Publish Report & Dashboard.

DATA VISUALIZATION



Line Chart



Funnel Chart



Pie Chart



Bar Chart



Scatter Chart



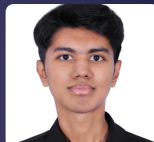
Donut Chart

REFLECTION

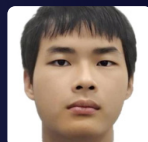
- We are truly grateful to have a chance to gain exposure on Power BI with this workshop. The workshop had taught us on how to convert raw data into clear and useful visual formats such as tables, graphs and reports to make better decisions. This is perfect for our training because it helps us understand and implement data-driven decision making and to plan good strategies. On top of that, the workshop had shared good example and details in power BI desktop application, which motivate us to explore all the possibilities in portraying different data types.
- Moreover, learning on how to use it in different fields, such as finance and marketing, showed us how important and practical these skills are in real life applications. Thus, we have found this workshop very useful to build a strong fundamentals on data analytic and data processing skills. This allows us to start learning PowerBI in depth to remain competitive with this extra skillset prepared. Furthermore, it also greatly enhance our understanding on database chapter, which is included in Technology and Information System.



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