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Business Intelligence System Experiment no: 2

* Aim: Demonstration of BI techniques, FTL on Application Financial Analysis

* Theory:

Mirrosoft Power BI is a tool in business intelligence that converts date from sources to interactive BI reports and dush bourd.

With Power BI, you can quickly connect your date, wrap it, visualize it as needed, and share it an sites securely.

=> Power BI Key components:

· Power Query · Power Pivot · Power View

· Power BI Services

=> Power Query

(Lunderen)

Power Owny is one of the important components of Pawer BI.

This can be included in your Free or can be used as a component of the Power BI Desktop. Using Power Overy, you can delete data from numerous data sources and extract data from a wide range of different databases like Oracle,

sou server, My sol, and other different dutabases. You can also fetch data from rerords like text files, CSV files or Excel files.

=> Power Pivot

- · Pours Pivot is used to model your data and proform more complex calculations than Excel can handle.

 · Pours Pivot is great when working with huge datasets.

 Once Pours Query has imposted and cleaned the various data sources, Pours Pivot is used to establish relationships between the tables/queries.
- => Power View
 - Power view is a data visualization technology that lets you recate interactive charls, graphs, maps, and other visuals that bring your data to life. Power view is available in Free, in Shure Point, SOL Server, and Power BT.
- => Power BI services
 - Power BI service is a cloud-based business analytis and data visual visualization service that enables anyone to visualize and analyze data with greater spread, efficiency, and understanding.
 - dashboards, interactive reports, and compelling visualizations

that bring duto to life

· The Power BI service webside is built upon the gruse cloud platform and adhere to ITIM LS standard. It has rabust support for HTML5 via ubut is called Poursview.

=> Mataix

The modrix visual is a type of table visual (see Tables in the

· A table supports two dimensions, but a matrix makes it easier to display data meaningfully across multiple dimensions.

doshbourds to allow users to select one or more deroent (rows, columns, cells) in the matrix to rooss-highlight other visuals, on a report page.

=> Line chart

· Line charts emphasize the overall shape of an entire series of values, usually over time.

by dots and connected by straight lines.

· A line that they have one or many lines

· line chooses have on x and a y axis.

=> 511cers

A slicer is a standalone chart that can be used to filter the other visuals on the page.

- sticres rome in many different famouts (rutgury, runge, dute, etc)
 and can be famoutted to allow selection of only one, many
 as all of the available values.
- =) Box chart
 - · Power BI Box (hast or horizontal Bur (hurt is useful for data comparison for example, you can compare sales by Color, Region, Product Group, etc.
- =) The Role of Financial Statement Analysis
 - other related pieces of information, such as financial notes and supplementary schedules, are assessed and used to evaluate the company's performance and financial position in order to make an investment or other economic decision
 - rempany is profitable, adequately capital capitalized, able to meet its long and short term obligations, and able to generate positive cash flows on a continuous basis.
 - It also allows analysts to project estimates or expectations of a company's future performance and financial position