**Power BI Assignment 1**

1. What do you mean by BI? Explain.

Business intelligence (BI) is a technology-driven process for analyzing data and presenting actionable information to help corporate executives, business managers and other end users make more informed business decisions.

1. How Power-BI helps in BI, and how does it help Analysts? Explain.

It provides interactive visualizations with self-service business

intelligence capabilities, where end users can create reports and

dashboards by themselves, without having to depend on any

information technology staff or database administrator.

1. Explain Descriptive analytics?

Descriptive analytics is the interpretation of historical datato better understand changes that have occurred in a business. Descriptive analytics describes the use of a range of historic data to draw comparisons. Most commontly reported financial metrics are a product of descriptive analytics, for example, year-on-year pricing changes, month-over-month sales growth, the number of users, or the total revenue per subscriber. These measures all describe what has occurred in a business during a set period.

1. Explain Predictive analytics?

Predictive analytics is a branch of advanced analytics that makes predictions about future outcomes using historical data combined with statistical modelling, data mining techniques and machine leraning. Companies employ predictive analytics to find patterns in this data to identify risks and opportunities.

1. Explain perspective analytics?

Prescriptive analytics is a type of data analytics that attempts to answer the question "What do we need to do to achieve this?" It involves the use of technology to help businesses make better decisions through the analysis of raw data. Prescriptive analytics specifically factors information about possible situations or scenarios, available resources, past performance, and current performance, and suggests a course of action or strategy. It can be used to make decisions on any time horizon, from immediate to long-term. It is the opposite of descriptive analytics, which examines decisions and outcomes after the fact.

1. Write five real-life questions that PowerBi can solve.
2. **Create** : connect to your data live wherever it lives. Then explore

Your data with stunning visualizations.

1. **Collaborate and share** : Publish reports and dashboard, collaborate with your team , and share insights inside and outside of your organization.
2. **Connect** : Access data from hundreds of support on-premesis and cloud-based sources, such as Dynamics 365 , Salesforce, Azure SQL DB, Excel , and SharePoint.
3. **Advance analytics with familiarity of Excel** : Give advanced user full control over their model using powerful DAX formula language. If you are familiar with Excel, you’ll feel at home in power bi.
4. **Interactive reports customized for business**: It helps in reports with interactive data visualizations. We can create customized reports using the Power Bi open source custom visual framework.