**Power BI Assignment 1**

1. **What do you mean by BI? Explain.**

**Ans:** BI is a technology driven process for analysing data and presenting actionable information to help corporate executives, business managers and others end users make more informed business decisions.

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

**Ans:** It is an umbrella term for power pivot and power query for excel. It provides interactive visualizations with self service business intelligence capabilities where analyst can create reports and dashboards by themselves without having to depend on any information technology staff or database administrator.

1. **Explain Descriptive analytics?**

**Ans:** It tells us what has already happened. It is the analysis of historical data using two key methods i.e., data aggregation and data mining which are used to uncover trends and patterns. They are often displayed using line, bar and pie charts.

1. **Explain Predictive analytics?**

**Ans:** It basically show us what could happen. It uses probabilities to make assessments of what could happen in the future. It uses data mining however it also uses statistical modelling and machine learning techniques to identify the likelihood of future outcomes.

1. **Explain perspective analytics?**

**Ans:** It informs us what should happen in the future. It shows companies the raw results of their potential actions. It emphasises actionable insights instead of data monitoring.

1. **Write five real-life questions that Power Bi can solve.**

**Ans:** Five real life questions that Power Bi can solve are as follows:

1. Create pie chart to show the proportion of tasks by progress.
2. Create a gauge displaying percent of work completed.
3. Create a bar chart displaying the no. of tasks assigned to each person by project.
4. Create KPI
5. Determine trends with line graph.