**Power BI Assignment 1**

1. What do you mean by BI? Explain.

*BI stands for Business Intelligence. It is using the Intelligence collected from the data to improve the already running process. BI involves techonologies and stratergies employed by company to get actionable insights from the data (mainly in visual forms).*

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

*Microsoft Power-BI is a powerful business Intelligence tool. It can access data from almost any type of data set. It provides easy connectivity and is easy to use. Developers can easily build a dashboard which could be used for getting insights of data through descriptive, predictive and prespective analysis. The Analyst can easily find what happened in the past, what is happing and what is going to happen based on the data and can suggest the action needed to avoid deterioration in quality or performance.*

1. Explain Descriptive analytics?

*Descriptive analytics is statistical analysis of the happenings of the past. Analysing the historical data comes under this. Eg- analysing the profit and loss statement of a company.*

1. Explain Predictive analytics?

*Predictive Analytics involves using Machine learning algorithms to predict what is* *going to happen in the future based on data. The data in the past is used to forecast the future results by applying ML algorithms.*

1. Explain perspective analytics?

*This involves giving suggestion for the possible deterioration in the future after doing the predictive Analysis.*

*Eg- 1) Steps taken for reducing the attrition of Employees or customers.*

*2) Selection of effective marketing stratergy for future.*

1. Write five real-life questions that PowerBi can solve.

*Power BI could be helpful in solving a lot of problem. Examples*

1. *Quality control of a batch product*
2. *Defining proper operation parameters & quality (providing Benchmarks)*
3. *Finding and controlling the reason for high attrition or department of high attrition.*
4. *Setting goals in terms of sales and revenue.*
5. *Selecting effective market stratergies for revenue growth.*