**Connection to Power BI**

1. Download the super store data from excel, create the table structure in SQL Server and upload the data into the SQL Server
2. Connect SQL Server to Power BI.
3. Create Date table in power bi which will have data from 1/1/2020 till date with other columns which are required.

**Create Date Table**

1. Create Date table with belozw mentioned directly in power bi.

|  |  |
| --- | --- |
| Column Name | Format of Data |
| Date | 7/1/2012 |
| Year | 2012 |
| QuarterOfYear | 3 |
| MonthOfYear | 7 |
| DayOfMonth | 1 |
| DateInt | 20120701 |
| MonthName | July |
| MonthInCalendar | Jul 2012 |
| QuarterInCalendar | Q3 2012 |
| DayInWeek | 6 |
| DayOfWeekName | Sunday |
| WeekEnding | Sunday, July 01, 2012 |
| Week Number | 27 |
| MonthnYear | 20120700 |
| QuarternYear | 20120300 |
| ShortYear | 12 |
| FY | FY13 |

**Data Model**

1. Create Data Model in power bi considering also the date table.

**Create Measures and Calculated columns required:**

1. List the measure required by referring to the Report which is expected.
2. Note down the formulas and verify it from your trainer
3. Create the actual measures on power bi desktop.

**Functionalities Expected in the report**

*Filter and Header*

1. Top left should have SIMDAA Company Logo
2. The As of Date which is displayed should always display todays date.
3. The Year and Month filter should not affect the line chart on the top right.
4. Clear All Filter should reset the filter Year and Month to All. (For e.g. lets say if I have selected 2018, 2019 as the year and if now I click on the clear all filter it should clear the selection of the filter and user should be able to see all as the option selected.

*Sales Trend Section*

1. There are two buttons Total Sales and Profit, the expectation is
   1. When I select Total Sales I should see the Total Sales on Y axis of the Trend line with Year as X Axis.
   2. When I select Profit I should be able to see the Profit on Y axis of the trend line with Year as X Axis.
   3. Enable the feature of Hierarchy, so if I click on any data point of this chart I should be able to see the months for that particular selected year.

*Charts Section:*

1. Apply the conditional formatting, from lowest being the red colour font and highest being the green colour font for Sales/Total Sales and for Profit the font conditional formatting should be –ve should be displayed in red and +ve should be displayed in green.
2. In Sales by Category  Table when I hover on technology or any other category I should be able to see pie chart of Country wise sales for that technology.

**Publish this report on power bi Service.**

**Expectations**

**The font, color and the wire frame are expected to replicate as it it.**