

Lesson Plan Power BI- 31/01/2024

Lesson Plan Ref.	COE/2023-24/PowerBI		Course Ref.	Tech/COD/PowerBI
Technical Course:	Power BI			
Expert Name:	DEVENDER			
College Name:	St. Bede's College			
Topic:	Power BI			
Level:	Basics to Advance	Lesson Duration:	40 hrs	

Lesson Overview

Power bi is the most important part of Microsoft office. In this software we can create different types of reports which helps a business to grow.

Summary of Lessons

Week	Description
Module – 1	Introduction of Power BI <ol style="list-style-type: none"> 1) Power BI Desktop Installation 2) Data source and visual types 3) Get data and memory table 4) DATA TYPES IN POWER BI 5) COMPONENTS OF POWER BI 6) Bookmarks 7) Page Navigation 8) Tooltip 9) Drill-Through

- 10) Edit interaction
- 11) Parameter
- 12) Sync-Slicer
- 13) Conditional Formatting
- 14) Formatting of chart

TEST - 1

Module -
2

Power Query Editor Features:

- 1)Pivot & Unpivot Table
- 2)Merge Query
- 3)Append Query
- 4)Split Columns
- 5)Conditional Column
- 6)Column From Example
- 7) Joins
- 8) M Language Function
- 9)Custom Column
- 10)Duplicate & Reference Table
- 11) TRANSPOSE
- 12)DATE & TIME TRANSFORMATION
- 13) INDEXES
- 14) MANAGE PARAMETERS

TEST - 2

<p>Module – 3</p>	<p>Dax Functions:</p> <ol style="list-style-type: none"> 1)BASIC DAX; SUM,COUNT,AVERAGE 2)ITERATOR FUNCTIONS; SUMX,COUNTX,AVERAGEX 3)CALCULATE DAX 4)IF 5)SWITCH 6)LOOKUPVALUE 7)TIME INTELLIGENCE DAX; CALENDAR,CALENDARAUTO,DATEADD,DATESINPERIOD, PARALLEL PERIOD, TOTALYTD,QTD,MTD, 8)TOPN DAX 9)USERRELATIONSHIP 10)ALL, ALLSELECTED,ALL EXCEPT 11) GROUPBY AND SUMARIZE 12) VARIABLES 13) Text FUNCTIONS <p>TEST - 3</p>
<p>Module –4</p>	<p>RELATIONSHIPS IN POWER BI(DATA MODELLING):</p> <ol style="list-style-type: none"> 1)ONE TO MANY RELATIONSHIP 2) MANY TO ONE RELATIONSHIP 3)MANY TO MANY RELATIONSHIP 4)ONE TO ONE RELATIONSHIP 4)HOW TO HANDLE MANY TO MANY RELATIONSHIP

Module -5	<ol style="list-style-type: none">1) ADVANCE EDITOR2) ROW-LEVEL SECURITY:STATIC/DYNAMIC3) POWER BI SERVICE4) PUBLISHING REPORT5) IMPORTING DATA FROM DESKTOP TO SERVICE6) COMPARISON POWER BI FREE & PREMIUM7) LOGGING INTO POWER BI SERVICE
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Materials / Equipment:

Computers
MS Office