Data Modelling & Visualization

Session No#	Session mode	Session Type	Week - Day No. #	Duration Hrs
1	EL-Async	• Introduction to Data Analytics and Power BI • Overview of Power BI Desktop and Service • Get Data to Power BI • Create a simple Power BI report	Before Sync Session	3
2	FC -Sync	Familiarization of Power BI services and components	1-1	3
3	MS -Sync	Assignment 1: Configure the Power BI Desktop application and execute your first data task.	1-2	3
4	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
5	EL-Async	• Power BI Data Transformation • Change data types and remove null values. • Model data • Star Schema design · • Fact and Dimension Tables	Before Sync Session	3
6	FC- Sync	Power BI data transformations and data modelling	1-3	3
7	MS -Sync	Assignment 2: Transform and Model the data loaded to Power BI	2-4	3
8	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
9	EL-Async	• Introduction to DAX · • DAX data types · • DAX operators • Measures	Before Sync Session	3
10	FC- Sync	Use cases of DAX calculations, and Measures in Power BI	2-5	3
11	MS- Sync	Assignment 3: Create DAX calculations and Measures in Power BI.	2-6	3
12	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
13	EL-Async	• Data Visualizations • Tables and matrix visualization in Power BI reports • Card visualizations. Data slicers and filters. • Dashboard Interactions, Drill down, Conditional formatting, and featured dashboards	Before Sync Session	3
14	FC -Sync	Data visualizations, elements of report and dashboard interactions	3-7	3

15	MS -Sync	Assignment 4: Create an interactive report with all the features for the business use case.	3-8	3
16	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
17	MS- Sync	Discussion on data acquisition and data cleaning of HR attrition dataset.	3-9	3
18	MS- Async	Implementation of data acquisition and data cleaning of HR attrition dataset	Before Sync Session	3
19	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
20	MS- Sync	Review of data acquisition and data cleaning of HR attrition dataset. Discussion on the data modelling and DAX calculations of the HR attrition dataset.	4-10	3
21	MS- Async	Implementation of data modelling and DAX calculations of the HR attrition dataset.	Before Sync Session	3
22	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
23	MS-sync	Review of the data modelling and DAX calculations of the HR attrition dataset. Discussion on the visualizations for the overview and demographics page.	4-11	3
24	MS-Async	Implementation of visualizations for the overview and demographics page.	Before Sync Session	3
25	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
26	MS-Sync	Review of visualizations for the overview and demographics page. Discussion on visualizations for performance tracker and attrition pages.	4-12	3
27	MS-Async	Implementation of visualizations for performance tracker and attrition pages.	Before assessment	3
28	MS-Async	Additional Practice-Complete Project report and submit	Before assessment	2.5
29	AS-Sync	Summative Assessment (Per learner)	5-13	30 min