

Delivery Mode and Location :

1. Sync – Delivered through MS Teams
2. Async (Self Paced) – Support through LMS
3. Classroom – Lithan Academy Campus

WSQ Data Analytics Application Development (SF)
July 2026 Intake

CLASS SCHEDULE							
Module Name:		WSQ Data Analytics Application Development (SF)					
Course Name:		WSQ Data Analytics Application Development (SF)					
Cohort Code:		DSSC-DAA-0726					
Mode:		Full-Time					
SOC:		17-Jul-2026	Orientation: Self-Onboarding				
Session No	Session Mode	Session Details	Duration Hrs	Faculty Name	Date	Day	Time
1	EL-Async	• Introduction to Data Analytics • Roles in Data • Get data from files. • Get data from online services. • Clean, transform, and load data • Change data types and remove null values • Model data • Star schema design • Demo Video: Assignment 1: Introduction to Data Analytics and Power BI. • Demo video -Assignment 2: Power BI data transformation • Demo Video -Assignment 3: Power BI Data Modelling • Data Visualizations • Card visualizations. Data slicers and filters. • Dashboard Interactions, Drill down, Conditional formatting • Explanation and demonstration of how to create Power BI reports and visualizations. • Demo video- Assignment 4: Power BI Reports and Dashboards. Complete MCQ	4.0	NA	17-Jul-2026	Fri	Before Next Sync Session
2	MS-Sync	Assignment 1: Introduction to Data Analytics and Power BI. • Install and set up Power BI Desktop • Connect to sample data sources (Excel, CSV, Web) • Understand data types and basic cleaning options • Generate a basic visual (bar/line chart) to summarize the dataset	4.0	TBA	18-Jul-2026	Sat	09:00 - 13:00
3	MS-Sync	Assignment 2: Power BI Data Transformation • Perform data cleaning: remove columns/rows, fill nulls, trim text • Open Power Query Editor and explore applied steps • Transform data types, split/merge columns, pivot/unpivot data • Use conditional columns and calculated columns • Save and load transformed data into Power BI model Assignment 3: Power BI Data Modelling • Create relationships between tables using primary/foreign keys • Configure relationship settings (one-to-many, active/inactive)	4.0	TBA	18-Jul-2026	Sat	14:00 - 18:00
4	MS-Sync	Assignment 4: Power BI Reports and Dashboards • Create a multi-page report using various visuals (bar, pie, line, map, KPI) • Add interactivity: slicers, filters, sync slicers across pages • Customize reports: apply themes, visual formatting, grid layout	4.0	TBA	19-Jul-2026	Sun	09:00 - 13:00
5	MS-Sync	Assignment 4: Power BI Reports and Dashboards • Implement advanced features: drill through, bookmarks, tooltips • Add narrative using smart narrative visual and Q&A box • Configure dashboard tiles and pin visuals to Power BI dashboard • Publish to Power BI Service • Share reports	4.0	TBA	19-Jul-2026	Sun	14:00 - 18:00
6	AS-Sync	Summative Assessment (Written assessment based on assignments)	4.0	TBA	19-Jul-2026	Sun	14:00 - 18:00

Session Types:

- EL - E-Learning (Async)
- FC - Flipped Class (Sync)
- MS-Sync - Mentoring Support (Sync)
- MS-Async - Mentoring Support (Async)
- AS - Assignment (Sync)
- PM - Project Mentoring (Sync)
- PI - Project Implementation (Async)
- SA - Summative Assessment (Sync)