



**DURATION**

90 Sessions



**SESSION DURATION**

1 Hours



**MODE**

Online / Offline



**FEES**

₹30,000 (Online)  
₹40,000 (Offline)



**PROJECTS**

5 Real-Time Projects  
(Total 10 Projects  
any 5 will be Picked)



**ASSIGNMENTS**

Weekly



**CAPSTONE PROJECTS**

2



**PLACEMENT ASSISTANCE**

Yes

**1 MODULE 1  
POWER BI FUNDAMENTALS**



- Business Intelligence Concepts
- Introduction to Power BI
- Power BI Architecture
- Installation & Licensing
- Power BI Desktop Interface
- Data Sources
  - Excel
  - CSV
  - SQL Server
  - Oracle
  - Azure SQL
  - SharePoint
  - Folder
  - Web
  - JSON
  - XML
  - PDF
- Import vs DirectQuery
- Storage Modes
- Power BI Desktop Navigation
- Best Practices

**2 MODULE 2  
POWER QUERY  
(DATA TRANSFORMATION & ETL)**



- Power Query Introduction
- Query Editor
- Importing Data
- Data Cleaning
- Removing Errors
- Handling Null Values
- Merge Queries
- Append Queries
- Pivot & Unpivot
- Split & Merge Columns
- Conditional Columns
- Custom Columns
- Group By
- Data Profiling
- Parameters
- Query Folding
- M Language Basics
- Performance Optimization
- ETL Best Practices
- Hands-on Mini Project

**3 MODULE 3  
DATA MODELING**



- Data Modeling Concepts
- Star Schema
- Snowflake Schema
- Fact Tables
- Dimension Tables
- Relationships
- Cardinality
- Cross Filter Direction
- Active & Inactive Relationships
- Bridge Tables
- Role Playing Dimensions
- Composite Models
- Aggregation Tables
- Model Optimization
- Best Practices

**4 MODULE 4  
DAX (DATA ANALYSIS EXPRESSIONS)**



- DAX Introduction
- Calculated Columns
- Measures
- Variables
- Row Context
- Filter Context
- Context Transition
- Aggregation Functions
- Date Functions
- Text Functions
- Logical Functions
- CALCULATE
- FILTER
- ALL
- ALLEXCEPT
- VALUES
- DISTINCT
- RELATED
- RELATEDTABLE
- SUMX
- AVERAGEX
- COUNTX
- RANKX
- TOPN
- EARLIER
- USERELATIONSHIP
- Time Intelligence
- Running Total
- Moving Average
- YTD
- MTD
- QTD
- Dynamic Measures
- KPI Calculations
- Financial Metrics
- Performance Optimization

**5 MODULE 5  
DATA VISUALIZATION &  
DASHBOARD DESIGN**



- Report Canvas
- Visual Types
  - Tables
  - Matrix
  - Card
  - KPI
  - Gauge
  - Column Chart
  - Line Chart
  - Pie Chart
  - Donut Chart
  - Ribbon Chart
  - Waterfall
  - Funnel
  - Scatter
  - Treemap
  - Maps
- Slicers
- Drill Down
- Drill Through
- Bookmarks
- Buttons
- Navigation
- Tooltips
- Themes
- Conditional Formatting
- Custom Visuals
- Dashboard Design Principles
- Storytelling with Data
- Mobile Layout

**6 MODULE 6  
POWER BI SERVICE & DEPLOYMENT**



- Power BI Service
- Workspaces
- Publishing Reports
- Apps
- Gateways
- Scheduled Refresh
- Incremental Refresh
- Dataflows
- Row Level Security (RLS)
- Object Level Security (OLS)
- Deployment Pipelines
- Power BI Administration
- Sharing Reports
- Subscriptions
- Usage Metrics
- Power BI Premium
- Microsoft Fabric Introduction

**7 MODULE 7  
SQL FOR POWER BI**



**SQL FUNDAMENTALS**

- SELECT
- WHERE
- ORDER BY
- GROUP BY
- HAVING

**SQL JOINS**

- Inner Join
- Right Join
- Cross Join
- Left Join
- Full Join
- Self-Join

**SQL ADVANCED**

- Subqueries
- Window Functions
- Views
- CTE
- Stored Procedures

**8 MODULE 8  
REAL-TIME PROJECTS**



- Retail Sales Dashboard
- HR Analytics Dashboard
- Financial Performance Dashboard
- Banking Analytics Dashboard
- Healthcare Analytics Dashboard
- E-Commerce Sales Dashboard
- Supply Chain Analytics Dashboard
- Marketing Campaign Dashboard
- Executive KPI Dashboard
- Manufacturing Dashboard

**9 MODULE 9  
CAREER PREPARATION**



- Resume Building
- LinkedIn Profile Optimization
- GitHub & Power BI Portfolio
- Power BI Service Portfolio Publishing
- Case Study Discussions
- Mock Interviews
- HR Interview Preparation
- Technical Interview Preparation
- Certification Guidance
- Placement Preparation

**COURSE DELIVERABLES**

- 90 Hours of Instructor-Led Training
- 90 Interactive Sessions
- 10+ Industry-Level Projects
- 20+ Assignments
- 100+ Practice Datasets
- Power BI Desktop & Service
- Advanced Excel Workbook
- SQL Practice Scripts
- DAX Formula Handbook
- Power Query (M) Notes
- Dashboard Templates
- Interview Question Bank (300+ Questions)
- Resume Template
- Capstone Project
- Course Completion Certificate
- Placement Assistance & Mock Interviews



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**WHY CHOOSE CDS SH ACADEMY?**



Industry  
Relevant  
Curriculum



Practical  
Learning  
Approach



Certification  
of  
Completion



Placement  
Support



Experienced  
Trainers