



CERTIFIED DATA ANALYST IN SUPPLY CHAIN (CDASC)

AGENDA

Part-1: About CDASC

Part-2: CDASC Modules: M1 to M12 Topics

CDASC

- ✓ **CDASC** is a robust Data Analyst certification course helps to compete in today's competitive landscape and Optimising supply chain performance.
- ✓ This course provides excellent hands-on training to leverage Excel, SQL and Power BI software for comprehensive data analysis and data-driven decisions to enhance operational efficiency.



About CDASC

PART-01



Best Practices



Industry Ready



Practical



Global



E-Proctored



Best Faculty



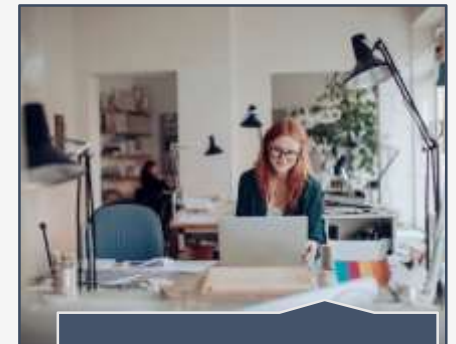
Case studies



Unique



Hybrid



Cost Effective

ROLE OF EXCEL

Excel is a powerful tool for data analysis and visualization. It allows users to perform complex calculations, create pivot tables, and generate charts, making it an essential resource for analyzing supply chain metrics and trends.

Learn:

- Excel Functions
- Text formatting
- Summarizing data
- Data Visualization Techniques
- KPI Dashboards
- Dynamic Dashboards



UTILISING SQL

SQL is fundamental for managing and querying large datasets. It enables users to extract valuable insights from supply chain databases, facilitating **data manipulation** and **report generation** that inform strategic decisions and performance improvements.

Learn:

- What is SQL?
- Why we need SQL?
- Basic SQL Commands
- Softwares used for SQL
- Aggregate functions in SQL



POWER BI INTEGRATION

Power BI enhances data visualization and reporting capabilities. By integrating data from various sources, it provides **interactive dashboards** and **real-time analytics**, empowering stakeholders to monitor supply chain performance effectively and make informed decisions.

Learn:

- Basic Tool Understanding
- Data modelling
- Data visualisation techniques
- Dashboard creation
- Best practices for creating effective dashboard



SUPPLY CHAIN ANALYTICS

M1

Introduction to Supply Chain Management





M1 – Introduction to Supply Chain



M1-01: Define Supply Chain

M1-02: Importance of Data-Driven Decision Making in Supply Chain Management

M1-03: Types of Supply Chain Analytics

M1-04: Descriptive Analytics

M1-05: Diagnostics Analytics

M1-06: Predictive Analytics

M1-07: Prescriptive Analytics

M2

Get Started With EXCEL





M2 – Get Started With EXCEL



M1-01: Built-in Mathematical Functions

M1-02: COUNTIF & COUNTIFS Function

M1-03: SUMIF & SUMIFS Function

M1-04: Conditional Formatting with Formulas

M1-05: Remove Duplicates tool – eliminate repeated rows.

M3- Text Formatting





M3 – Text Formatting

M03-01: TEXTJOIN Function

M03-02: CONCATENATE Function

M03-03: TEXTSPLIT Function

M03-04: Data Importing and Cleaning
With EXCEL

M03-05: VLOOKUP, Identifying
Errors in VLOOKUP Formulas

M4- Summarizing Data



M4 – Summarizing DATA

PART-02

M04-01: Data Validation

M04-02: PIVOT Table

M04-03: Creating Charts and graphs to visualise Data

M04-04: Different types of Chart using named
Ranges

M04-05: Dashboard Creation in EXCEL

M5

Data Visualisation Techniques





M5 – DATA Visualisation Techniques



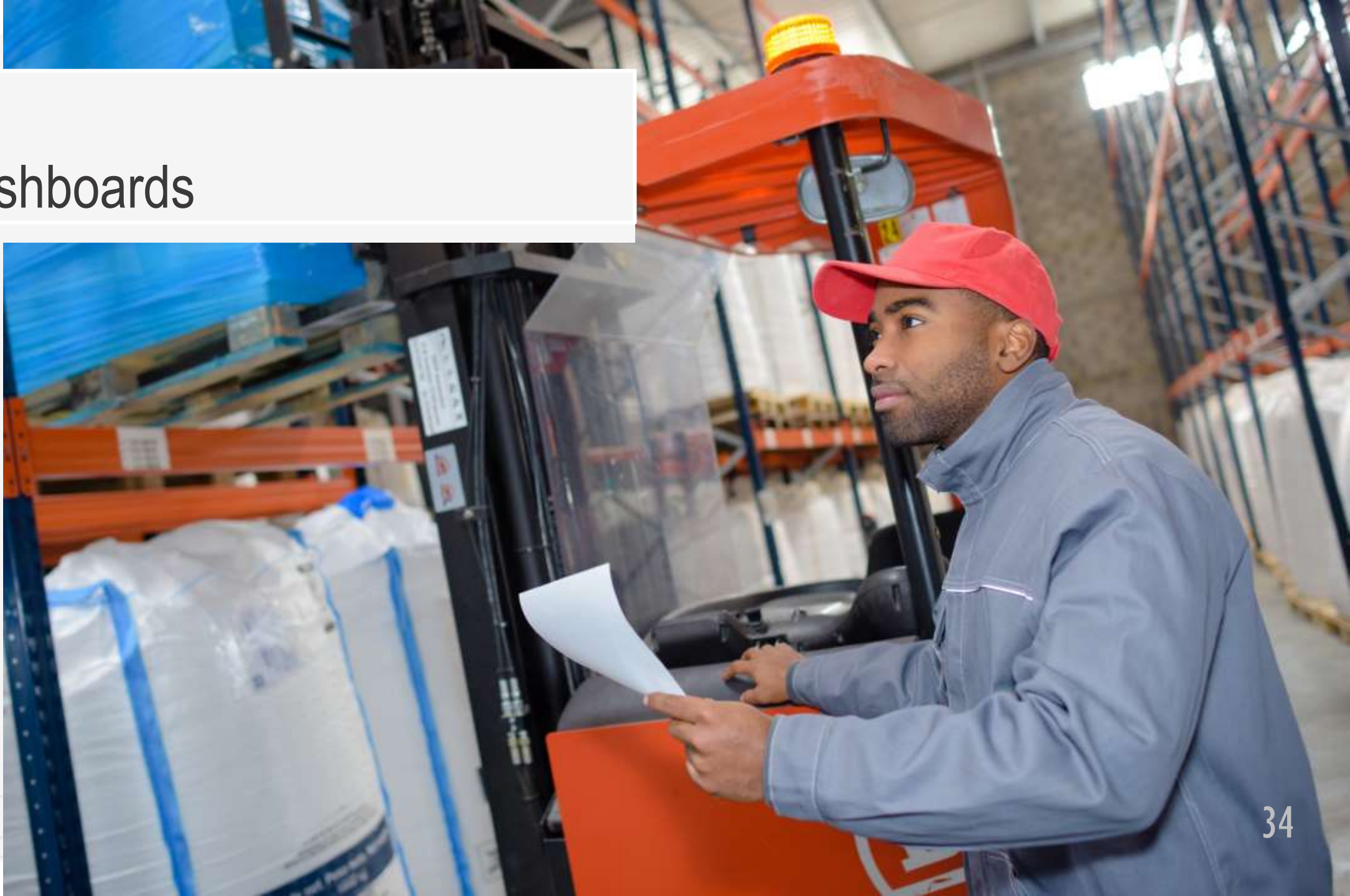
PART-02

M05-01: Creating Line , Bar and Pie Charts

M05-02: combo Charts and Dynamic Charting

M05-03: Sparkline for Quick data Insights

M6 KPI Dashboards





M6 – Key Performance Indicator Dashboard (KPI)



PART-02

M06-01: Defining and Visualizing of KPIs

M06-02: Using Conditional Formatting for Visual Alerts

M06-02: Data Bars, Color Scales, and Icon Sets for KPIs

M7- Dynamic Dashboards





M7 – dynamic Dashboard

PART-02

M7-01: Linking Controls to Dashboards

M7-02: Creating Interactive Dashboards with
Form Controls

M7-03: Using Named Ranges for Dynamic Data
Updates

M-8

Introduction to SQL





M8 – Introduction to SQL



PART-02

M8-01: What is SQL

M8-02: Importance of SQL in data management and analysis

M8-03: Overview of SQL databases

M8-04: Understanding database concepts

M8-05: Basic SQL commands

M8-06: Practice Exercises

M8-07: Intermediate SQL Queries

M8-08: Grouping data with 'GROUP BY'

M8-09: Filtering groups with 'Having'

M8-10: Sorting and Limiting Data

M8-11: Ordering data with 'ORDER BY'

M8-12: Limiting the number of results with 'LIMIT'

M9 Power Basics and Data Preparation





M9 – Power BI basics and Data Preparation



PART-02

- M9-01: Introduction to Power BI
- M9-02: Overview of Power BI
- M9-03: Key Features of Power BI
- M9-04: Power BI Interface
- M9-05: Navigating Power BI Desktop
- M9-06: Key components
- M9-07: Overview of Power Query Editor

M- 10 Data Modelling Basis





M10 – Data Modelling Basics

PART-02

M10-01: Introduction to Data Modelling

M10-02: Understanding relationships between tables

M10-03: Creating relationships between Multiple tables

M10-04: Primary Keys, Foreign Keys and Cardinality

M10-05: Creating Calculated columns

M10-06: Basic DAX

M10-07: Using DAX to create calculated columns

M11- Building Visualisations





M11 – Building Visualisation



PART-02

M11-01: Introduction to Data Visualisation

M11-02: Overview of available visualisations

M11-03: Choosing the right visualisation

M11-04: Creating and Customizing Visualisations

M11-05: Adding Charts, tables and KPIs to the canvas

M11-06: Formatting Charts

M11-07: Interactive Elements

M11-08: Adding Slicers and filters for interactivity

M11-09: Using Drill-through for detailed analysis

M12- Dashboard Design Principles

WAREHOUSE ORDER PERFORMANCE



BACK ORDER RATE



INVENTORY ACCURACY



PERFECT ORDERS



CASH TO CASH CYCLE

BACK ORDER RATE



INVENTORY ACCURACY



PERFECT ORDERS



CASH TO CASH CYCLE





M12 – Dashboard Design Principles

M12-01: Designing Effective Dashboards

M12-02: Best Practices for dashboard layout and design

M12-03: Grouping Visuals and arranging data for clarity

M12-04: Sharing Reports

M12-05: Exporting reports to powerpoint or PDF

M12-05: Exporting reports to PowerBI Service

OUTCOME OF COURSE

Supply chain optimization faces challenges such as data silos and inconsistent metrics . Implementing integrated systems and standardizing data definitions can address these issues, leading to more accurate analysis and enhanced collaboration across departments.

In conclusion, leveraging Excel , SQL , and Power BI is vital for optimizing supply chain performance. By adopting these tools, organizations can enhance their analytical capabilities, drive efficiency, and gain a competitive edge in the market.



Questions & Answers



<https://edc.lsc-india.org/>

Solutions@lsc-india.com

Phone : +91-984-009-8233