



Full Curriculum – Data Management (Aligned with DAMA DMBOK & CDMP)

Yukti / Durga Analytics – Full Domain Training Series

Module 1 – Data Management Fundamentals

- 01 – Business Drivers**
 - 02 – Essential Concepts** — Data, Information, Principles, Challenges
 - 03 – Data as an Asset**
 - 04 – Data Management Strategy**
 - 05 – Frameworks & The DMBOK Pyramid**
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Module 2 – Data Handling Ethics

- 06 – Business Drivers**
 - 07 – Ethical Principles for Data**
 - 08 – Principles Behind Data Privacy Laws**
 - 09 – Risks of Unethical Data Practices**
 - 10 – Establishing an Ethical Data Culture**
 - 11 – Data Ethics & Governance**
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Module 3 – Data Governance

- 12 – Introduction, Drivers & Goals**
- 13 – Principles of Data Governance**
- 14 – Readiness Assessment**
- 15 – Policies, Standards & Stewardship**
- 16 – Embedding Governance in the Organization**
- 17 – Change & Issue Management**
- 18 – Tools, Techniques & Metrics**
- 19 – Governance of the DG Function**

Module 4 – Data Architecture

- 20 – Drivers**
 - 21 – Goals, Outcomes & Practices**
 - 22 – Activities & Deliverables**
 - 23 – Integration with Enterprise Architecture (EA)**
 - 24 – Tools & Techniques**
 - 25 – Implementation Guidelines**
 - 26 – Governance & Metrics**
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Module 5 – Data Modeling & Design

- 27 – Goals**
 - 28 – Core Concepts**
 - 29 – Data Modeling Activities (Plan, Build, Review, Maintain)**
 - 30 – Tools (Modeling, Metadata, Lineage)**
 - 31 – Best Practices & Guidelines**
 - 32 – Governance & Version Control**
 - 33 – Metrics & Relation to Data Governance**
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Module 6 – Data Storage & Operations

- 34 – Introduction, Drivers & Goals**
 - 35 – Concepts of Data Storage**
 - 36 – Database Technology & Administration**
 - 37 – Operations & Monitoring**
 - 38 – Tools & Techniques**
 - 39 – Implementation Guidelines**
 - 40 – Governance & Metrics**
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Module 7 – Data Security

- 41 – Drivers**
- 42 – Goals & Concepts**

- 43 – Security Requirements & Policies
 - 44 – Access Controls & Encryption
 - 45 – Auditing & Monitoring
 - 46 – Implementation Guidelines
 - 47 – Governance & Metrics
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Module 8 – Data Integration & Interoperability

- 48 – Drivers
 - 49 – Goals & Concepts
 - 50 – Planning & Analysis
 - 51 – Design & Development
 - 52 – Implementation & Monitoring
 - 53 – Tools & Techniques (ETL, Virtualization, ESB)
 - 54 – Governance & Metrics
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Module 9 – Document & Content Management

- 55 – Drivers
 - 56 – Goals & Concepts
 - 57 – Lifecycle Planning
 - 58 – Lifecycle Management
 - 59 – Publishing & Delivery
 - 60 – Tools & Techniques (ECM, Collaboration, e-Discovery)
 - 61 – Governance & Metrics
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Module 10 – Reference & Master Data Management

- 62 – Drivers
 - 63 – Goals & Concepts
 - 64 – Master Data Management (MDM)
 - 65 – Golden Records & Hierarchies
 - 66 – Tools & Techniques
 - 67 – Implementation Guidelines
 - 68 – Governance & Metrics
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Module 11 – Data Warehousing & Business Intelligence

- 69 – Drivers**
 - 70 – Goals & Concepts**
 - 71 – BI Needs Assessment**
 - 72 – DW Architecture Design**
 - 73 – Development & Population**
 - 74 – Maintenance & Operations**
 - 75 – Tools & Techniques**
 - 76 – Governance & Metrics**
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Module 12 – Metadata Management

- 77 – Drivers**
 - 78 – Goals & Concepts**
 - 79 – Metadata Strategy & Requirements**
 - 80 – Metadata Architecture**
 - 81 – Create & Maintain Metadata**
 - 82 – Metadata Delivery & Consumption**
 - 83 – Tools & Techniques**
 - 84 – Governance & Metrics**
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Module 13 – Data Quality Management

- 85 – Drivers**
 - 86 – Goals & Concepts**
 - 87 – Defining High-Quality Data**
 - 88 – Data Assessment**
 - 89 – Data Improvement Processes**
 - 90 – Data Quality Operations**
 - 91 – Tools & Techniques**
 - 92 – Governance & Metrics**
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Module 14 – Big Data & Data Science

- 93 – Drivers**
- 94 – Goals & Principles**

- 95 – Big Data Strategy
 - 96 – Data Ingestion & Processing
 - 97 – Analytics & Hypothesis Development
 - 98 – Deployment & Monitoring
 - 99 – Tools & Techniques (MPP, Distributed DB, Visualization)
 - 100 – Governance & Metrics
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Module 15 – Data Management Maturity Assessment

- 101 – Drivers
 - 102 – Goals & Concepts
 - 103 – Planning the Assessment
 - 104 – Performing the Assessment
 - 105 – Interpreting Results
 - 106 – Improvement Planning
 - 107 – Reassessment & Benchmarking
 - 108 – Governance & Metrics
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Module 16 – Data Management Organization & Roles

- 109 – Introduction
 - 110 – Organizational & Cultural Norms
 - 111 – Operating Models (Centralized, Federated, Hybrid)
 - 112 – Critical Success Factors
 - 113 – Building the DM Organization
 - 114 – Roles & Responsibilities
 - 115 – Interactions with CDO, DG, EA
 - 116 – Governance & Metrics
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Module 17 – Data Management & Change Management

- 117 – Introduction
- 118 – Laws of Change
- 119 – Managing Transition vs Change
- 120 – Kotter's 8 Errors in Change
- 121 – Kotter's 8-Stage Change Process
- 122 – Sustaining Change & Adoption

123 – Communicating DM Value
124 – Governance & Metrics

Module 18 – CDMP Exam Guide & Summary

125 – Consolidated Review, Key Concepts & Exam Tips

