

SAP MDG TRAINING

LIVE



Trainer Name: VENKAT

Next Batch Starts on 23/03/2023

Monday – Friday

7 AM IST – 8 AM IST

Duration: 2.5 – 3 Months (Approx. 70 Hrs)



SAP MDG TRAINING

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Trainer's Profile

Venkat has 14+ years of experience in SAP which includes expertise in SAP MDG, SAP FPM, SAP Webdynpro ABAP & ABAP/4. Venkat is currently working as an MDG Technical Architect for one of the CMMI Level 5 companies in India. Venkat's MDG expertise includes – Multiple Product Implementations, Implementation Projects, Support & Upgrade Projects. Venkat has successfully completed 9 batches of MDG Online Training.



Course Curriculum



UNIT 01 – Getting Started with SAP MDG

1. SAP MDG Overview

- Introduction to MDG
- MDG Capabilities and Use-Cases
- User Interfaces of MDG

2. MDG Architecture

3. Deployment Options

- Hub Option
- Co-Deployment Option
- Cloud Option

4. MDG Storage Areas

- Staging Area
- Active Area

5. MDG Architecture Principle

- Flex Mode
- Reuse Mode

6. Governance Process Flow in MDG

7. Business Processes in MDG

8. Understanding Out-of-the-box Domains

- Finance
- Business Partner / Supplier & Customer
- Material
- Enterprise Asset Management (EAM)
- Retail & Fashion Management (RFM)

UNIT 02 – Baseline Configuration

1. Version Identification

- MDG on ECC
- MDG on S/4 HANA

2. MDG Software Components

3. Business Functions activation for various domains

4. Business Configuration Sets (BC Sets)

- BC Sets Overview
- BC Sets Activation
- Validate BC Set(s) Status
- BC Set(s) Activation Logs

5. Pre-Requisites to use MDG Workflows

- Activate Event Type Linkage
- Configure Workflow Tasks
- Validate SWU3 Configuration

6. Data Model activation & adjusting Staging Area

7. System Validation

8. Business Processes Validation

9. Authorizations & Roles of various domains

10. User specific Roles administration

UNIT 03 – Data Modeling

1. Introduction

2. Data Model Configuration Activities

- Define Business Object Type Codes
- Define Prefix for Internal Key Assignment
- Edit Data Model
 - ✓ Custom Flex Data Model creation
 - ✓ Custom Reuse Data Model creation
- Staging Tables
- Staging Structures
- Walk-through of Standard Data Models

3. Reuse Active Area & Access Class

4. Key Reports of Data Modeling

5. Entity Types and Attributes

- SU Type 1 Entity
- SU Type 2 Entity
- SU Type 3 Entity
- SU Type 4 Entity

6. Entity Relationship Types

- Leading Relationship
- Qualifying Relationship
- Referencing Relationship
- Foreign key Relationship

7. Data Model Extension by New Entity/Attributes

UNIT 04 – Service Mapping Tool

1. Introduction
2. Mapping Vs Mapping Step
3. Mappings assignment to Entity Types
4. SMT Mapping to Active Area
5. SMT Mapping to Staging Area
6. Mapping Steps with multiple Source Structures
7. Simple Transformations
 - Field Mapping
 - Conversion Classes
8. Complex Transformations
 - Transformation Methods
 - Field Checks
 - Condition Methods
9. Calling SMT in ABAP Programs
10. Extend SMT Mapping
11. Check SMT Mapping

UNIT 05 – Data Quality and Check

1. Introduction

2. Types of Search Applications

- Database Search
- HANA Search
- Remote Client Key Search
- Enterprise Search
- Address Search

3. Duplicate Check Configuration

4. Match Profile Configuration

5. Define Search Views

6. Validations & Derivations (USMD_RULE_SERVICE)

- Single Entity Validations
- Cross-Entity Validations
- Single Entity Derivations

7. Cross-Entity Derivations using BAdI (USMD_RULE_SERVICE_CROSS_ET)

8. Change Request Header Validations

9. Change Request Header Derivations

UNIT 06 – UI (User Interface) Modeling

1. Introduction

2. Evolutions of User Interfaces in SAP

3. Webdynpro ABAP

- Introduction
- MVC Architecture
- WD Components & Simple WDA Application
- Services activation & deactivation

4. Floor Plan Manager

- Introduction
- Simple FPM Application using FLUID Editor
- Various Floor Plans
- Feeder Class (Standard & Custom)

5. Understanding MDG UI Framework (GenIL BOL)

6. UI Configuration Activities

- Manage UI Configuration
- Custom MDG Application (OVP)
- Define Field Properties
- Print forms for SOP
- Field Properties BAdI implementation

7. UI Extensibility

- Deep-Copy
- Enhance
- Customize
- CBA (Context Based Adaptation)

UNIT 07 – Process Modeling

- 1. Introduction**
- 2. Define Governance Scope**
- 3. Logical Actions & Business Activities**
- 4. Pre-requisites to use MDG Workflows**
- 5. BUS2250 Business Object Type**
- 6. MDG Workflow Templates**
- 7. Change Request (CR) Type configuration**
 - Create new CR Type
 - Edit Statuses of CR Type
 - Configure properties of CR Step
 - Define Step Type & Actions
- 8. Rule-Based Workflows (RBWF)**
 - Purpose
 - Decision Tables (SVDT, UADT, NUADT)
 - RBWF for Custom/Standard CR Type
- 9. Other MDG Workflows**
 - Assign Processors to CR Steps
- 10. Dynamic Agent Selection**
- 11. Parallel Workflows**
- 12. Email Notifications**
- 13. Dynamic Workflow Steps**
- 14. RBWF BAdIs**

UNIT 08 – Data Replication Framework (DRF)

1. Introduction
2. Various methods to Replication Master Data
 - Replication by IDOC
 - Replication by SOA
 - Replication by File
3. Choose the right replication method
4. Outbound Implementations
5. Outbound Implementation Class
6. Filter Criteria
7. Replication Model
8. Manual Replication
9. Auto Replication
10. Ad-Hoc Replication
11. Replication Logs
12. Key Mapping
13. Value Mapping
14. Replication Troubleshooting

UNIT 09 – Data Import Framework (DIF)

- 1. Introduction**
- 2. Configure File Paths (Source / Archive Paths)**
- 3. Linking File Paths to BO Types**
- 4. Different methods to import Master Data**
- 5. Import using XML & CSV Files**
- 6. Data Import Monitoring**
- 7. BAdI for File Conversions**

UNIT 10 – Extending MDG Standard Features

- 1. Introduction**
- 2. Custom Data Model**
- 3. Standard Data Model Extension**
- 4. Standard UI Extension**
- 5. Custom MDG UI Application**
- 6. Custom Roles to cater various Workflow Business Users**
- 7. SMT Extension**
- 8. Standard Feeder Class Enhancement**
- 9. Standard Access Class Enhancement**
- 10. Custom GenIL Handler Class for BP Model**
- 11. Extend BAdIs for Finance Model**

UNIT 11 – MDG Analytics and Monitoring

- 1. Explore Analytics in MDG**
- 2. HANA based Analytics**

UNIT 12 – SAP MDG User Experience with Fiori

- 1. Introduction to SAP MDG Fiori Applications**
- 2. MDG Fiori Roles**
- 3. Fiori custom Catalog creation**
- 4. Perform Fiori Apps for Master Data Governance Process**

UNIT 13 – Miscellaneous Topics

- 1. Mass Change**
- 2. Multi-Object Processing**
- 3. File Download / File Upload**
- 4. NWBC / Fiori Roles**
- 5. Roles & Responsibilities of MDG Technical Consultant in a Project**
- 6. Roles & Responsibilities of MDG Functional Consultant in a Project**
- 7. MDG Functional Specification Walk-Through**
- 8. MDG Technical Specification Walk-Through**
- 9. MDG System Design Document Walk-Through**
- 10. End-to-End MDG Implementation Project Activities**
- 11. Master Data Consolidation (MDC) Overview**
- 12. CVI (Customer Vendor Integration)**

Training Highlights



- ◆ Industry Expert Trainer
- ◆ Real-Time Oriented Training
- ◆ In-Depth Explanation of concepts
- ◆ Topic-Wise Assignments
- ◆ Study Materials
- ◆ Interview Questions
- ◆ Mock Interviews, Resume Preparation
- ◆ Google Classroom as Learning Platform
- ◆ Free MDG on S/4 HANA 1909 server access throughout the course

Know our Learning Model



1

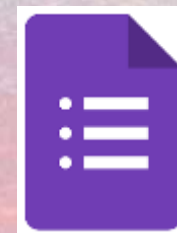
GOOGLE CLASSROOM



A unique platform to access all your Training Materials i.e. Daily Agenda, Class Schedule, Recorded Sessions, Presentations, Assignments etc.,

2

GOOGLE QUIZ FORMS



Topic-wise Quizzes will be conducted to test your knowledge. Google Quiz Forms are used for this.

3

GOOGLE Q&A SHEETS



Google Sheets are used to share all your queries online and to get response from the trainer.

4

GOOGLE SURVEY FORMS



Google Survey forms are used to get your continuous feedbacks and any valid suggestions will be implemented ASAP

Pre-requisites to learn MDG



MDG Technical Consultant	MDG Functional Consultant	MDG Techno Functional Consultant
Core ABAP (Must have)	Any domain knowledge/exp of:	Core ABAP (Must have)
Object Oriented ABAP (Must have)	MM	Object Oriented ABAP (Must have)
Enhancements (Must have)	SD	Enhancements (Must have)
IDOCs (Nice to have)	FICO	IDOCs (Nice to have)
SOA Services (Nice to have)	PM	SOA Services (Nice to have)
		Any domain knowledge/exp of:
		MM
		SD
		FICO
		PM

GOOGLE CLASSROOM



Home Page

The screenshot displays the Google Classroom interface. At the top left, the Google Classroom logo is visible. On the right side of the header, there are icons for a plus sign, a grid, and a profile picture labeled 'VENKAT'. Below the header, there are two navigation options: 'To review' and 'Calendar'. The main content area features three course cards:

- Card 1:** Titled 'AUGUST 2022 Live B...' with a blue header. The background image shows 'SAP MDG (MASTER DATA GOVERNANCE) AUGUST'2022 BATCH'.
- Card 2:** Titled 'APRIL 2022 Live Batch' with a teal header. The background image shows 'SAP MDG (MASTER DATA GOVERNANCE) ONLINE TRAINING'.
- Card 3:** Titled 'SAP MDG - JAN 2022' with an orange header. The background image shows 'SAP MDG (MASTER DATA GOVERNANCE) ONLINE TRAINING'.

Each card includes a three-dot menu icon in the top right corner and a bottom bar with a line graph icon and a folder icon.

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Your Classroom Main Page

The screenshot displays a Classroom Main Page interface. At the top, there are navigation tabs: **Stream**, **Classwork**, **People**, and **Grades**. On the right side of the top bar, there are icons for settings, a grid, and a profile picture. Below the navigation is a large blue banner for **SAP MDG (MASTER DATA GOVERNANCE) AUGUST'2022 BATCH** and **AUGUST 2022 Live Batch**. The banner includes a **Customize** button and contact information for **SAP MDG ONLINE TRAINING**. Below the banner, there is a section for **Upcoming** with the text **No work due soon** and a **View all** link. To the right, there is a **Announce something to your class** button. Below that, there is an announcement from **Venkat TechEdu** dated **Oct 21**. The announcement text is: ***---- DIWALI Festival Holiday Announcement ----***, **Dear Students,** **On the occasion of DIWALI/DEEPAVALI, we do not have class on 24th October 2022. Our next class would be on 25th October 2022 only.**, **I wish you a very Happy & Safe DIWALI 🍁🍁🍁 . Enjoy your time 😊😊**, and **Best Regards, Venkat**.

Class Work Page

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The screenshot shows a web interface for a class. At the top left, there is a hamburger menu icon followed by the text 'AUGUST 2022 Live Batch'. To the right of this are navigation tabs: 'Stream', 'Classwork' (which is underlined), 'People', and 'Grades'. Below the navigation tabs, there is a blue button with a plus sign and the text '+ Create'. To the right of this button are two icons: a calendar icon labeled 'Google Calendar' and a folder icon labeled 'Class Drive folder'. On the left side, there is a vertical sidebar menu with a red border. The menu items are: 'All topics', 'ABAP Ref. Videos', 'Assignments', 'Certification', 'Class Notes', 'Course Curriculum', 'Daily Agenda', 'External Materials', 'Programs', 'Q & A / Discussions', 'Quizzes', 'Recorded Sessions', 'Resumes (Reference)', 'Server Access', 'Specification Docu...', and 'Study Materials'. The main content area on the right has the title 'ABAP Ref. Videos' and a vertical ellipsis menu icon to its right. Below the title is a list of video items, each with a blue circular icon, a title, and a duration. At the bottom right of the main content area, there is a 'View more' link. In the bottom left corner of the page, there is a small question mark icon.



Frequently Asked Questions



FAQs (Contd..)

Should I have the pre-requisite skills to learn SAP MDG?

I strongly advise that you should have the pre-requisite skills mentioned to learn SAP MDG. However, if you don't have the required skills but you are familiar with SAP Environment – You can still learn SAP MDG *(You must be able to learn the pre-requisite skills by the end of the MDG Course to get and sustain in the job).*

Should I be able to work in the real-time project after the course completion?

I can assure you that you should be able to work in the real-time project after the course completion only if you regularly attend the classed and do the practise well. Also you must complete the assignments on-time.

How can I practise the MDG Tasks?

You will get the Free S/4 HANA 1909 Server Access till the last day of the course. After the course, the server access will be paid one.

FAQs

Which version will be used in our classes?

The complete course will be taught on S/4 HANA 1909 server.

How long I will have access to Google Classroom?

Your Google Classroom access is valid for 2 years.

How can I contact you in case if I get any doubts while watching / practising the classes?

You can call / whatsapp me whenever you have any doubts.



THANK YOU

