



SPANBIX TRAINING INSTITUTE

SAP MM (Material Management) on S/4HANA — Job-Ready Course Outline

Designed by a 20+ Year SAP MM Practitioner · S/4HANA-Native · Beginner to Consultant-Ready · 12 Weeks

COURSE AT A GLANCE

Duration: 12 Weeks (3 Months)	Level: Beginner → SAP MM Consultant-Ready
Live Hours: 90 hrs instruction + 60 hrs hands-on SAP system	SAP Platform: S/4HANA 2023 – live system, SAP GUI + Fiori
Capstone Projects: 3 (P2P Cycle, Release Strategy, Special Procurement)	Certification: After all capstones + mock interview + TS document graded
Batch 1: Mon/Wed/Fri – 1 hr/class (timing flexible)	Batch 2: Tue/Thu/Sat – 1 hr/class (timing flexible)
Batch 3: Sat/Sun – 1.5 hrs/class (timing flexible)	PD Classes: Every Sat & Sun — resume + interview training

WHY THIS COURSE — THE MM CONSULTANT ADVANTAGE

★ S/4HANA-Native MM Fiori, MRP Live, BP mandate – no legacy-only teaching	★ Procure-to-Pay Mastery End-to-end P2P from PR to LIV with every sub-process
★ Release Strategy Config PR & PO approval workflows built from scratch in SPRO	★ Special Procurement Subcontracting, Consignment, STO, Pipeline – all covered
★ Live System Access Hands-on S/4HANA sandbox – configure and transact Day 1	★ Valuation & Account Det. Full FI integration – BSX, WRX, GBB keys explained
★ Data Migration LSMW, BDC, LTMC for material master & vendor upload	★ MRP & Planning MRP Live, lot sizing, MD04, converting planned orders
★ Functional Spec Writing Write FS for ABAP developers – a skill that gets you hired	★ Personality Development Every Sat & Sun – resume, communication, mock interviews

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12-WEEK JOB-READY CURRICULUM — SAP MM ON S/4HANA

Week	Mod	Topic	Key Content Covered
PHASE 1 — SAP & S/4HANA Foundation + MM Overview Weeks 1–2			
1	M01	SAP & S/4HANA Fundamentals	› ERP concept, SAP evolution R/2→R/3→ECC→S/4HANA key differences › S/4HANA architecture: in-memory HANA, Universal Journal (ACDOCA), column store › System landscape DEV→QAS→PRD, client concept, transport management › SAP GUI & Fiori Launchpad: navigation, T-codes, favourites › Types of SAP projects: Greenfield, Brownfield, Support – consultant vs end-user role › T-Codes intro: SPRO, MM01, ME21N, MIGO, MIRO, MB52
1-2	M02	Org Structure in MM	› Client→Company Code→Plant→Storage Location hierarchy – full config demo › Purchase Organisation: plant-level, cross-plant, cross-company code setups › Purchase Group: definition, assignment to buyers, reporting implications › Valuation Area: always at plant level in S/4HANA and its FI integration impact › Assignment T-Codes: OX17 (plant→company code), OX01 (POrg→plant), OMJ7 › Exercise: build a complete company structure from scratch in sandbox
PHASE 2 — Master Data Weeks 2–4			
2-3	M03	Material Master	› Material types: ROH, HALB, FERT, HIBE, NLAG, DIEN – config & implications › Key views: Basic Data, Purchasing, MRP 1-4, Accounting, Costing – mandatory fields › Creating material master (MM01): plant extension, copy reference, industry sector › Mass maintenance: MM17/MASS, material status, deletion flag › S/4HANA changes: Material Master simplifications, new Fiori apps (F2142, F0842) › Exercise: create raw material, semi-finished and finished goods from scratch
3	M04	Vendor Master & Business Partner (BP)	› S/4HANA mandates BP: vendor = BP with role FLVN00/FLVN01 – no old LFA1 creation › BP creation (T-Code BP): general data, company code data, purchasing org data › Vendor account groups: internal/external number ranges, field selection (OBD3) › Vendor evaluation: scoring criteria, ME61; blocking vendors: purchasing & payment block › Migration from old vendor master (LFA1/LFB1) to BP – conversion impact › Exercise: create a full vendor BP with company code and purchasing org data
3-4	M05	Info Record, Source List & Quota Arrangement	› Purchasing Info Record (ME11): material-vendor-POrg pricing, PIR types (Std/SC/Pipeline) › Source List (ME01): mandatory vs optional, fixed source, blocked source; plant activation › Automatic source determination: how SAP selects vendor from source list in PR/PO › Quota Arrangement (MEQ1): splitting procurement across multiple vendors by % › Quota usage count logic and cycle through quota – real project scenario › Exercise: end-to-end source determination – PIR → Source List → Quota
PHASE 3 — Procurement Process (P2P) Weeks 4–6			
4	M06	PR, RFQ & Quotation Management	› Purchase Requisition: ME51N (manual), auto from MRP; item categories S/L/D/K/U › Account assignment categories: K (Cost Center), A (Asset), P (Project), F (Order) › RFQ creation (ME41): selecting vendors, collective RFQ from PR items › Maintaining & comparing quotations (ME47, ME49): rejection letters, price analysis › Collective conversion of selected quotation to Purchase Order › Exercise: full cycle PR → RFQ → Quotation Comparison → PO conversion
4-5	M07	Purchase Order & Outline Agreements	› PO creation (ME21N): header, item overview, conditions, delivery schedule › Contracts (ME31K): value contract, quantity contract; release orders against contract › Scheduling Agreements (ME31L): delivery schedule lines, JIT delivery › Blanket PO / Limit items (item category B); Automatic PO (ME59N) › Output Management in S/4HANA: new output framework (BRF+) replacing NACE for PO › Exercise: create contract, release PO against it, monitor open quantities
5	M08	Release Strategy (Approval Workflow)	› Config steps: characteristics → classes → strategy group → release codes → workflow › Release class (CT04/CL01): assigning characteristics (net value, doc type, plant) › Release codes, indicators, prerequisites: defining multi-level approval chain › PR Release Strategy vs PO Release Strategy: key configuration differences › Release via ME54N (PR) and ME28 (PO); revoking release after data change

			› Exercise: build a 3-level PO release strategy based on net order value
5-6	M09	Pricing Procedure in MM	› Condition technique: access sequence → condition type → pricing procedure › Key condition types: PB00 (price), RA01 (discount), FRA1 (freight), NAVS (tax) › Pricing procedure: step, counter, from-to, requirement, calculation type in SPRO › Condition records (MEK1): maintaining prices for vendor-material combinations › Effective price calculation: gross price + freight - discount + tax; price date logic › Exercise: configure a custom pricing procedure with discount and freight conditions
PHASE 4 — Inventory Management Weeks 6–8			
6	M10	Goods Movements & Movement Types	› Movement type concept: controls stock change, account determination, screen layout › Key movement types: 101 GR/PO, 122 return to vendor, 201 GI/cost center, 261 GI/prod order › Goods Receipt (MIGO): quantity, storage location, batch, over/under-delivery tolerances › Two-step vs one-step stock transfer; transfer posting (unrestricted→QI→blocked) › Reversal of goods movements: cancellation document logic in S/4HANA › Exercise: GR against PO, partial delivery, return delivery, SLoc transfer
6-7	M11	GI, Special Stocks & Physical Inventory	› Goods Issue scenarios: to cost center (201), to production order (261), scrapping (551) › Reservation (MB21): reserving stock for cost center, order, or project › Special stock: consignment (K), subcontracting (O), project (Q), pipeline (P) › Stock overview (MMBE): unrestricted, quality, blocked, in-transit, special stocks › Physical Inventory: MI01 (create doc), MI04 (enter count), MI07 (post differences) › Exercise: post GI, create reservation, complete a physical inventory cycle
7-8	M12	Valuation & Account Determination	› Standard Price (S) vs Moving Average Price (V): when to use each, implications › Valuation Class: links material type to G/L accounts – key FI-MM integration point › Automatic Account Determination (OBYC): transaction keys BSX, WRX, GBB › GBB general modifier: VBO (consignment), VBR (consumption), VKA (scrapping) › Material Ledger in S/4HANA: mandatory activation, actual costing concept › Exercise: configure account determination, post GR and verify FI documents
PHASE 5 — Invoice Verification, Special Procurement & MRP Weeks 8–10			
8	M13	Logistics Invoice Verification (LIV)	› Invoice verification concept: 3-way match – PO, GR, Invoice (MIRO) › Evaluated Receipt Settlement (ERS): automatic invoice for ERS-flagged POs › Quantity and price variance tolerance keys: BP, BR, BD, ST, VG, DQ in SPRO › Blocking invoice on variance; Credit Memo; Subsequent Debit/Credit (MIRO) › Invoice release (MRBR): releasing blocked invoices; GR/IR clearing account monitoring › Exercise: post invoice, trigger variance block, release, verify FI posting
8-9	M14	Special Business Processes	› Subcontracting (item cat L): BOM explosion, GI to vendor (541), GR (101+543) › Consignment (item cat K): vendor-owned stock, withdrawal (201-K), settlement (MRKO) › Stock Transfer Order (STO): intra-company UB type – GI (351) → GR (101) at receiver › Pipeline Material: continuous consumption posting (504), no GR/PO required › Inter-company STO: cross-company code procurement with billing document › Exercise: complete subcontracting cycle end-to-end with component reconciliation
9-10	M15	MRP & Consumption-Based Planning	› MRP types: VB (reorder point), VM (automatic reorder), PD (MRP with BOM) › MRP parameters: lot sizing (EX/FX/HB/MB), safety stock, planned delivery time › MRP Run: MD01N (MRP Live in S/4HANA) – HANA-optimised, no batch dependency › MRP results in MD04: planned orders, PRs, exception messages, rescheduling › Converting planned orders to PRs or POs directly from MD04 › Exercise: set up MRP for a material, run MRP Live, evaluate and convert results
PHASE 6 — S/4HANA Innovations, Reporting & Cross-Module Integration Weeks 10–11			
10	M16	S/4HANA MM Innovations & Fiori	› BP mandatory migration: path from LFA1/LFB1 in system conversions › Material Ledger mandatory: actual costing available for all S/4HANA clients › New output management (BRF+) replacing NACE; Flexible Workflow in MM › MRP Live: in-memory MRP, real-time requirements, no aggregation table dependency › Key Fiori apps: Manage POs, Monitor Goods Movements, Purchasing Analytics (F0842) › RISE with SAP vs GROW with SAP: cloud delivery models a consultant must know
10-11	M17	Reporting, LIS & Cross-Module Integration	› Standard reports: MB52, MB51, ME2M, ME2L, ME80FN, MB5B, ME6H (vendor eval) › Logistics Information System (LIS): info structures S011-S019, standard/flexible analysis › MM-FI: every goods movement → automatic FI document; GR/IR clearing (WRX) › MM-PP: BOM explosion in MRP, backflushing, production order GI/GR › MM-SD: stock in transit, inter-company billing; MM-QM: quality inspection stock › Exercise: trace complete P2P document chain PR→PO→GR→Invoice→FI posting

PHASE 7 — Data Migration, Project Lifecycle & Placement Weeks 11–12

11-12	M18	Data Migration: LSMW, BDC & LTMC	› SAP Migration Cockpit (LTMC): the modern S/4HANA approach to data migration › LSMW for Material Master (object 0020): field mapping, MARA/MARC/MARD fields › LSMW for Vendor/BP (object 0070): BP migration considerations in S/4HANA › BDC recording (SHDB): MM01 and ME01 screen capture, Call Transaction vs Session › Flat file preparation: CSV/TXT format, encoding, header requirements › Cutover sequence: org data → master data → open PRs/POs → go-live checklist
11-12	M19	SAP Project Lifecycle & Consulting Skills	› SAP Activate: Discover→Prepare→Explore→Realize→Deploy→Run – consultant's role › AS-IS/TO-BE documentation; Business Blueprint (BBP) writing and sign-off › Functional Specification (FS): structure, logic tables, field mapping for ABAP team › Configuration document; Transport Requests (SE10/STMS); SIT and UAT test scripts › Ticket handling: P1-P4 priority, SLA adherence, root cause analysis format › Client-facing communication, requirement gathering, and stakeholder management
12	M20	Interview Prep & Capstone Projects	› Top 70 SAP MM interview Q&A – fresher and 2-year experience pattern › CAPSTONE 1: Configure full company structure + end-to-end P2P cycle › CAPSTONE 2: Build 3-level PO release strategy + pricing procedure from scratch › CAPSTONE 3: Complete special procurement – subcontracting + consignment cycles › Resume writing: presenting sandbox projects, certifications, TS documents › Mock interviews: video-recorded, panel feedback, 2 rounds minimum; SAP C_TS422 cert path

RECOMMENDED DELIVERY MODEL

SAP System: S/4HANA 2023 – mandatory; ECC for reference only	Dev Tools: SAP GUI + Fiori Launchpad for all transaction exercises
Instructor: 15+ years SAP MM project experience minimum	Guest Sessions: Active MM Consultants from TCS, Capgemini, Infosys, Deloitte
Mock Interviews: Minimum 2 rounds, video-recorded + panel feedback (Weeks 11-12)	Placement Support: Continuous until offer letter signed — own company network

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