

# SAP AI Bundle

## PP / Production Planning

### BUNDLE PREVIEW

7 Modules | 4 Use Case Deep Dives | Core: Rs. 4,999 | Complete: Rs. 7,999

## What's in the PP + BTP AI Bundle

This bundle covers how SAP BTP AI transforms Production Planning — from demand-driven MRP to AI-powered production scheduling, quality anomaly detection, and intelligent capacity optimisation. Built for PP consultants ready to position AI solutions in manufacturing environments.

### 7-Module Curriculum

#	Module Title	What You Will Learn
1	<b>BTP Foundation for PP</b>	PP architecture on S/4HANA, BTP connectivity, manufacturing event types, key PP APIs, and AI readiness checklist
2	<b>GenAI Hub for Production</b>	MRP exception summaries in natural language, production order analysis, demand signal interpretation, RAG on plant scheduling policies
3	<b>AI Core for PP</b>	Demand forecasting model, production yield predictor, quality defect classifier — feature engineering and AI Core deployment
4	<b>Build Process Automation</b>	Order release yield gate, quality notification routing, capacity bottleneck alert, and MRP exception escalation workflows
5	<b>Datasphere for Manufacturing</b>	OEE KPI framework, demand vs. capacity heatmap, scrap trend analytics, and AI model training data pipelines
6	<b>AI Roadmap for PP</b>	Three-phase adoption: MRP visibility in Week 8, predictive manufacturing in Week 20, autonomous optimisation in Week 32
7	<b>Joule in Production Planning</b>	NL query library for MRP controllers, production managers, and plant directors — plus custom PP Joule skill building

## 4 Use Case Deep Dives (Complete Bundle)

Use Case	Description
<b>Demand Forecasting with AI Core</b>	Time series ML model (Prophet / XGBoost) trained on 24 months of PLAF history and VBAP SD demand signals. Generates 13-week forward demand forecast with confidence intervals. MAPE target < 10%. Output fed to MRP as planned independent requirements for weeks beyond confirmed demand.
<b>Production Yield Anomaly Detection</b>	Regression model predicting yield % per production order before shop floor release. Features: work centre performance history (AFPO), material type, shift timing, input batch quality score. High-risk orders (predicted yield < 80%) flagged for supervisor review. Reduces scrap 20–30%.
<b>AI-Assisted Capacity Planning</b>	Datasphere demand vs. capacity heatmap extends visibility 13 weeks forward. GenAI Hub generates natural language rescheduling recommendations for overloaded work centres — alternative routing, overtime suggestions, order splitting options. Reduces overload resolution time 60%.
<b>Signavio + BTP AI Closed Loop for PP</b>	Signavio mines PP process against reference model. Detects: orders released without yield review, emergency orders bypassing MRP, quality notifications overdue. BTP AI classifies severity. Build PA acts: order hold, supervisor Joule alert, audit trail. Resolution feeds Signavio model update.

## Key S/4HANA Tables Covered

Table	Description
<b>PLAF</b>	Planned orders — MRP output, material, quantity, dates — primary demand forecasting training data
<b>AFKO</b>	Production order header — order type, plant, work centre, basic dates, status
<b>AFPO</b>	Production order item — material, planned/actual quantity — yield analysis and anomaly detection
<b>MAST</b>	Material-to-BOM link — component assignments for capacity and demand calculation
<b>CRHD</b>	Work centre master — capacity categories, available capacity — capacity planning model input
<b>QMEL</b>	Quality notification — defect type, work centre, batch, cause — defect classifier training data

## Pricing

CORE BUNDLE — Rs. 4,999	COMPLETE BUNDLE — Rs. 7,999
7 Self-Study Modules with Slide Decks	7 Modules + 4 Use Case Deep Dives + All Slides

Architecture-first. Use-case driven. Built for working SAP consultants.

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