



# **SAP PP**

## **Production Planning**

### **Sap S4 Hana**

### **Training Program**

#### **Who Can Do?**

Before entering the program, candidates must have knowledge of Windows, MS. Office or any other business application. Candidates may also have the background of business domain, which S/he interested to join the SAP S4 HANA.

SAP PP is the Functional level training program on SAP S4 Hana, the candidate will be able to understand the SAP S4 Hana PP structure, processes, Architecture, Integration, Customization and other modules integration and its reporting systems.

**100,000+ Students  
have been Trained**

since  
1997

**Program is  
offered by**

**3D EDUCATORS  
INT**

22 Years of  
Excellence in  
Training &  
Development

**Invest in  
People the  
only Asset  
that Appreciates**



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## About the Program Instructor

The “SAP - ERP System Implementation” training program has designed by the 3D-EDUCATORS – TRAINERS AND CONSULTANTS.

The “SAP S4 HANA ERP System Implementation” Program has been conducted by senior certified and qualified SAP PP ERP Consultants and I.T. professionals, who having the huge experience of teaching and implementation of ERP. They have worked with various large commercial banks, Private, Multinational and public sector companies. The consultants are having the certification of SAP Applications.

They trainers are foreign qualified and having the degrees of PhD, M.Phil., MBA, MSc and research background, More they having the experience of local and abroad.

## Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

## Program Structure

No of classes per week	<b>01 Class</b>
Duration of each class	<b>03 – Hour</b>

## Other Learning Activities

Classroom Assignments	<b>15</b>
Presentations by Trainees	<b>01</b>

As Consultant & Senior Trainers, the team of trainers of SAP ERP implementation, we at 3D EDUCATORS – TRAINERS & CONSULTANTS would not compromise on the faculty quality, that’s where we train the professionals and enhanced their skills to the best to be the best.



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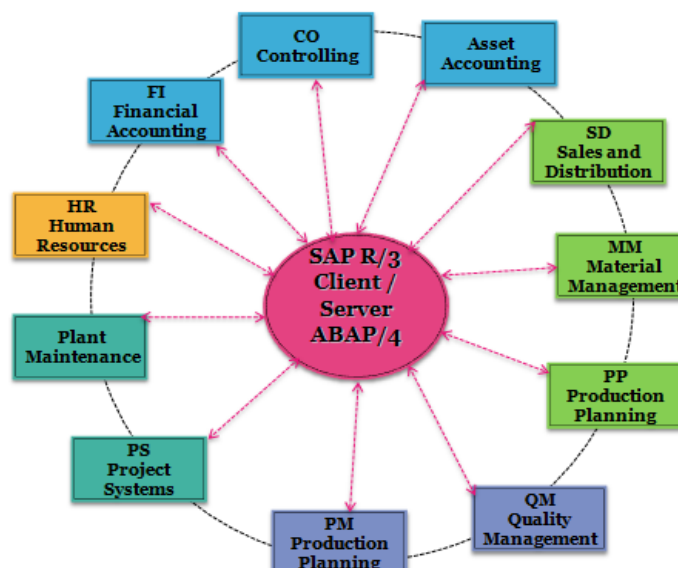


## ABOUT SAP S4 HANA MODULES | SAP S4 HANA MODULES LIST OVERVIEW

SAP S4 HANA Modules overview: – SAP stands for “Systems, Applications and Products in data processing “and it is the fourth largest software company in the world. SAP provides end to end solutions for financials, manufacturing, logistics, distribution etc. Each SAP module is integrated with other modules. SAP System divided in to two types of modules such as functional modules and technical modules.

The important SAP modules used by organization are FICO (Financials and Controlling), MM-(Materials Management), SD (Sales & Distribution), HR (Human Resources), PP (Production Planning), Project System PS.

## SAP S4 HANA Modules Integration





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### **Module 1: Introduction to SAP PP**

- SAP ERP & S/4HANA overview
- Overview of Production Planning in supply chain
- SAP PP integration with MM, SD, WM, QM, FI/CO
- End-to-End Manufacturing Process Flow

### **Module 2: PP Organizational Structure**

- Plant
- Storage Location
- Work Center
- Production Scheduler / MRP Controller
- Assignment of organizational elements
- Master data dependency mapping

### **Module 3: Master Data in PP**

#### **Material Master (PP Views)**

- MRP1-MRP4 views
- Work scheduling view
- Production versions
- Lot sizing & procurement type

#### **Bill of Materials (BOM)**

- BOM usage & item categories
- BOM statuses
- BOM alternatives
- BOM explosion

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### Work Centers

- Formulas & capacities
- Activity types
- Scheduling parameters
- Cost center integration

### Routings / Task Lists

- Operation setup
- Standard sequences & parallel sequences
- Time parameters (setup, machine, labor)
- Reference operation sets

### Module 4: Demand Management (PIR)

- Planned Independent Requirements (PIR)
- Make-to-Stock (MTS) vs Make-to-Order (MTO)
- Strategy groups (10, 20, 40, 50, 70)
- Consumption of forecast
- Requirements planning

### Module 5: Material Requirement Planning (MRP)

- MRP concepts & types (MRP, MPS, Consumption-based)
- MRP run (MD01, MD02, MD03)
- Lot-sizing procedures
- MRP parameters (planning horizon, safety stock, scheduling)
- Exception messages
- Stock requirement list (MD04)
- Long-term planning

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### Module 6: Production Order Management

- Order types & number ranges
- BOM & routing explosion
- Scheduling (forward/backward)
- Production order release
- Availability check
- Printing of shop floor papers
- Order confirmation (time ticket, milestone)
- Goods issue (GI) & Goods receipt (GR)
- Variance & settlement
- Order closure

### Module 7: Capacity Planning

- Capacity categories
- Rough-cut planning
- Capacity leveling
- Finite/Infinite scheduling
- CM01, CM21, CM25 usage
- Capacity requirements calculation

### Module 8: Shop Floor Control

- Dispatching
- Sequencing
- Work-in-progress (WIP) tracking
- Repetitive manufacturing overview
- Backflushing setups
- Operation control key configurations

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### Module 9: Repetitive Manufacturing (REM)

- REM profiles
- Production versions
- Backflushing process
- REM reporting (MFBF, MF47)
- Line design & planning table

### Module 10: PP – QM Integration

- In-process inspection
- Quality info records
- Inspection types
- Results recording & usage decisions

### Module 11: PP – MM Integration

- Component requirement planning
- Batch management integrations
- Subcontracting process
- Goods movement & logistics impact

### Module 12: PP – SD Integration

- Make-to-order sales
- Availability check (ATP/CTP)
- Linking sales order to production order

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### Module 13: Advanced PP Topics

- Engineering Change Management (ECM)
- Document management system (DMS)
- WIP batch management
- Recipe management for process industries (PP-PI)
- Classification system
- Planning with product hierarchy

### Module 14: SAP S/4HANA PP Enhancements

- Fiori apps for Production Planning
- Embedded PP/DS (Advanced Planning) introduction
- Simplified MRP in S/4HANA
- MRP Live
- Predictive MRP

### Module 15: Reporting & Analytics

- Standard PP reports (COOIS, MF47, MDLD)
- Work center load reports
- Production order analysis
- Fiori dashboards for PP
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## ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

## DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.

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## PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

## CONTACT US

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