

Course prospect: SAP Production Planning (PP) + S4 Hana

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Think Tree Technologies Inc : Background

Overview

Think Tree Technologies Inc is providing **training more than decade now based out of New jersey (USA)**. We have provided training to thousands of candidates and has extremely high rate of job placement. We are extremely proud of job placement success specifically in SAP. Our training has changed lives of many many students in USA and across the Globe. We have been rated as best training school in New jersey. We are New jersey department of labor (NJ DOL) certified training school. We are providing following type of training.

- **Individual training:** Conducting training for Individual in USA and across globe.
- **Corporate training:** Conducting Training batches to corporations / business houses.

Our Salient Features

- The course duration is around 2 months. **(80 hours of actual training hours)**.
- We offer **classroom** as well as **online training**. We are in **Edison (NJ – USA)**. Please visit our office as per your convenience.
- We provide **SAP Server** access for **12 months** for every student.
- We provide the **Video recording** of each session after the class for **12 months**. Video recordings are very helpful tool in learning process.
- We help with **resume preparation, mock interviews**, and Job placement Interview **(Guaranteed)** and on job support.
- **Course Training fees is as follows:**
 - For all-students **(having GC, US Citizens, H1B, H4 etc.)** fees is **USD 1200 (Think Tree Guaranteed Job Interview after student Assessment)**.
 - For student **(OPT and F1 visa only)** training fees is **USD 390**.
- Training fees is **fully refundable after 6 months on job after placement** by Think Tree Technologies Inc.
Our faculty is BEST with extensive SAP implementation & teaching experience in India, US, Canada and other part of world. With **more than 20 years' expertise** in SAP field.
- Our faculty has **taught over 150 batches** in past 20 years in SAP.
- Think Tree technologies providing training continuously more **than a decade now**.

Our training has been benchmarked as **Best in the country by our past students.**

Attend our **weekly free SAP seminar** to understand more about SAP & background of our faculty.

- Course is primarily focused on SAP SD and videos will be provided for SAP CRM and Advance Topics.

SAP PP Course Content:

- **Introduction to ERP and SAP® PP**

What is ERP and SAP® PP

Purpose for SAP® and ERP

Different modules in SAP®

Role of a SAP® PP Consultant

- **Overview of Production Process**

- **Order to Cash – Cycle**

Types of data in SAP

- Organizational Structure in SAP

* Manufacturing Types SAP®

Navigation

- **Material Master**

Organizational layout of Material Master.

Prerequisites to creating Material Master.

Various methods of creating MMR.

Classification of Material Master.

Batch management using classification.

Variant configuration using classification.

How to update/change Material Master.

Mass maintenance of Material Master.

Archiving and deletion process for Material Master.

- **Bill of Materials**

Organizational layout of Bill of material.

Low level coding.

Maintenance of Bill of material. Validity process and changing an active Bill of material.

Archiving and deletion process of BOM.

BOM reporting.

Comparative reporting tools for bill of material.

- **Work Center**

Structure and purpose of the work center.

Purpose of the standard value key and standard values.

Purpose of defaults in the work center.

Capacities and their maintenance.

Reference work center.

Use reference and pooled capacities. Work center and costing integration.

- **Task List and Routing** Different types of task lists.
Integration points of the task list.
Assigning manufactured items to routings.
Allocate material components to operations. Functions of sub-operations.

Retrieve additional fields in operations Engineering change management.
Where-used lists.
Mass Changes in Routing.
- **Advance Bill of Materials** Phantom BOM and its functions.
Co-products.
By-products. Discontinuation
Process Item Substitution.
Multiple BOM.
Variant BOM.
Mass Change BOMs.
Product Structure Browser.
 - **Advance Routing**
Parallel Sequence.
Alternative Sequence.
Alternative Manufacturing Processes.
Production Versions.
Reference operation sets and its use.
Material Master update using lead time Scheduling.
Interoperation times in the routing.
Overlapping for a continuous manufacturing process Reduction Measures.
Scrap and its Effects. Assembly
Scrap.
Component Scrap
Operation Scrap
Production Resources and Tools. PRT
Categories

- **Engineering Workbench** Benefits of Engineering Workbench.

Browser Function.

Navigation.

Work Area and its customizing. Objects in Work Area.

- **BOM Customizing**

Configuration activities surrounding the BOM header. Configuration activities surrounding the BOM items.

- **Work Center Customizing** Work Center Category.
Screen Control.
Field Control.
Control Key.
Configuration of WC Formulas.

- **Routing Customizing**

Number Range customizing for Routing.

Maintain Task List types.

Standard Value description in operation overview.

Profile with default values. Field Selection.

Material Type assignment.

Routing Status.

Task List Usage.

Planner group.

Overview Variant.

- **Material Type Customizing**

Customize new Material Types.

Material Number Range Assignment. Field Selection Control.

- **Org Data Customizing**

Purpose of Plant and its customizing

Purpose of Storage Location and its customizing. MRP areas and its customizing

- **Material Requirement Planning (MRP)** Basics of MRP.
Planning levels in Consumption based planning.

Prerequisites for executing Consumption based planning.
Difference between consumption based planning and MRP.
MRP types in a SAP system.

MRP data in a Material master.
MRP Profile.
Material Status and its customizing. Re-Order Point.
Safety Stock
Scheduling
MRP Run
Planning File Entry
Process of Consumption based planning
Executing MRP
Control parameters of MRP run
Plant and MRP group Parameter's customizing.
Planning Result
Planned Orders
Planning Evaluation
Stock/requirement List
MRP List
Traffic Lights
Material Tree
Navigation Profile
Exception Messages

- Lot Size Procedures
- Lot Size Rounding Profile
Minimum and Maximum Lot Sizes
- **Safety stock**
Safety stock partially available
Dynamic Safety stock
Safety time
Period Profile for the Safety Time
- **Procurement Types**
In-house Production

- External Procurement
- **Quota Arrangement**

What is Quota Arrangement

Quota Calculations

Quota Arrangement Usage

Quota in MRP

Requirement Splitting

Minimum Splitting Quantity

Lot sizes in Quota Arrangement

- Maximum and Minimum Lot Sizes Maximum quantity in Quota
- **Scheduling**
 - Scheduling for in-house production
 - Scheduling for External procurement
 - Backward Scheduling
 - Forward Scheduling
 - Customizing settings for Scheduling
 - Reduction and Scheduling adjustment
 - Changing dependent requirement dates
- **Demand Management**
 - Planning Strategy.
 - Planned independent requirements.
 - Planned dependent requirements.
 - Customer requirements.
 - Consumption Mode.
 - Planning strategy for make-to-stock production.
 - Planning Strategy 10.
 - Planning Strategy 30.
 - Planning Strategy 40.
- Planning Strategy 70.
 - Make-to-Order Production.
 - Planning Strategy 20 – Pure make-to-order.
 - Planning Strategy 50 – Planning without final assembly.
 - Planning Strategy 81 – Assembly processing in Rep. manufacturing.

Planning Strategy 82 – Assembly processing with Production orders.
Individual/Collective Indicator
Planned Independent Requirements Reduction.
Planning Strategies and PIR reduction.
Adjusting the Planned independent requirements.

Reorganizing Planned independent requirements.
Deleting Planned independent requirements.
Setting for Material Requirement Planning.
Customizing of Planning Strategies. Availability check using ATP logic.

- **Master Production Scheduling**
Define Master Scheduling items.
Connection between Master production scheduling and MRP.
- **Firming**
Different ways to firm a planned order.
Planning time fence.
Firming types.
Roll Forward period.
- **Long Term Planning**
Objectives of Long-term planning.
Business environment of long-term planning.
Long term planning scenario.
Execute long-term planning.
Capacity planning using long term planning.
Copy version.
- **Production Order 1**
Characteristics of order-controlled production using production orders.
Cross-application process flow.
Master Data required for Production orders.
Demo of a Production order.
- **Production Order 2**
Production order processing.
Structure and elements of a Production order.
Navigation in the Production order.
Important screens and its contents.

- **Production Order 3**
Activities involved in Production Order creation.
Different ways to create a Production Order
- **Production Order 4**
Order types and order type-dependent parameters in Customizing.
Customizing settings for master data selection.
Material master settings for master data selection.
Master data selection process in different situations.
- **Production Order 5**
Customizing activities for scheduling production orders: define scheduling parameters, define scheduling margins.
Planned cost of a Production Order.
- **Availability Check** Material availability checks.
Capacity availability checks.
PRT availability checks.

Customizing settings required for availability checks.

- **Capacity Planning in Production Orders**
Usage List for Work Centers. Capacity Planning.
- **Order Release**
How to release a Production order.
Order release function.
Definition and application of a production scheduling profile.
Function of system and user statuses.
Header and item statuses.
- **Printing Order Documents**
Available control options
Variants for printing production Documents.
Apply the print functions.
- **Material Staging and Withdrawal**
Default issue storage location in the production order.
Material staging.
Pick List.
Pull List.

- **Confirmation**
Confirmation procedures for production orders
Control parameters for confirmations in Customizing
Various transactions for the confirmation of production orders.
Effects of confirmations
- **Goods Receipt**
Prerequisites of Goods Receipt
Post the goods receipt
Effects of goods receipt posting

- **Order Settlement**
Purpose of Order Settlement.
People responsible for Order Settlement.
Result of Order Settlement.
- **Archiving and Deleting**
Steps to Archive and Delete a PO.
Settings required for Archiving and deleting
- **Information System and Mass Processing**
Overview of information systems in the context of production orders.

Overview of automation and mass processing options for production orders.
- **Collective Order**
How several individual orders can be linked over a number of levels to create a collective order.
Estimate where collective orders can be applied, and understand their advantages and limits.
Structures and functions of collective orders.
Obtain an overview of the possibilities of integrating the collective
- **Process Order**
Process order overview.
Master data required for Process orders.
Step by step instructions for complete cycle for a Process order.
- **PI Sheet Overview**
Types of PI sheets.
Step by step creation of a PI sheet.
- **Repetitive Manufacturing**
Characteristics of Repetitive Manufacturing

Main steps in Repetitive Manufacturing
Main functions in Repetitive Manufacturing

- **KANBAN**
Meaning of KANBAN
Characteristics of KANBAN
Functions of KANBAN
Step by step processes of KANBAN
- **Capacity Requirement Planning** Basic functions of Capacity Planning.
Capacity Evaluations.
Calculation of Capacity requirements.
Graphical Planning table.

Customizing of Time profile
Customizing of Strategy profile.

- **SAP® PP Tables Overview**
- User Exits
- SD-PP Integration
- PP-FICO Integration • MM-PP Integration
- How to book SAP Certification exam?
- SAP® Projects and Ticket Handling

- Tips and Tricks
- ASAP Methodology
- Miscellaneous
- Functional Spec

SAP Implementations topics Overview:

- Sap 101 What is SAP.
- Sap data conversion strategy Data migration overview Data migration key decision Data migration approach.

- ASAP implementation methodology
 - Implementation Overview
 - implementation Approach
Implementation Phases Implementation activities.
 - Solution manager User exits.
 - **EDI & IDOC processing from SAP perspective.**
 - How to do **Testing for SAP** projects.
 - Learning how to **write FSD for** Interfaces.
 - Learning how to **write FSD for** Interfaces.
 - Learning how to **write FSD for** custom reports
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- Learning how to do Data migration for SAP projects

Configuration

- Extensive configuration for following areas
- Configuration of Organization structure.
- Configuration of master data.
- Configuration of various business processes.

Reporting

- Internal reporting
- External reporting

Training Approach and Methodology

At Think Tree Technologies Inc, the learning life cycle is divided in **three stages**, and we support you at all the three stages:

Training Stage 1: Best Training “Guaranteed”

We provide the best training in the entire country, and you will have the best learning experience guaranteed by us. If at the time of initial 2 demo classes and you are not satisfied by our training, we will refund the registration amount without any question. All our faculties have many years of teaching and implementation experience.

Training Stage 2 : Pre-Job Assessment and Preparation

After our best-in-class training, we will do provide following functions

- **Student Assessment** ○ Mock Interview ○ Checking Homework and assignments ○ **Rejoining course for 1 year with no Additional FEES.**
- **Resume preparation:** we make sure the student resume is as per industry standards.
- **Marketing your** resume till you want. We **Guarantee actual Job Interview** for our students who market with us after assessment.

Learning Stage 3: On Job support

When a candidate gets placed by Think Tree, then we provide very important **On-Job support** so you could survive in a challenging work environment. Unless there is continuous and able On Job support it is very difficult for newly trained resource to survive.

Training Methodology

The Training is conducted in following methods:

In Classroom Training:

We have several classrooms in our training facility in **Edison New jersey (USA)** and all the classes are conducted in class setting with live faculty conducting classes.

Online Training:

For several individuals it is not possible to attend in classroom due various reasons, those individuals can also attend classes "**same class**" **online** live using **Web Conference**.

Training material , Training Videos and System Access:

Training Material and Training videos:

We provide best in training material and Videos also supplemented with many documents from real implementation experiences /projects. **You will have access to class video recordings for 12 Months.**

SAP System Access:

The training is provided on all latest versions of SAP Software. We provide **12 months' system access** after training and system access can be extended beyond three months as per discretion of Kabeer.

Training Plan & Timeline

Most Trainings are provided on **weekends (Saturday & Sunday)** as this is best schedule and facilitate best learning experience

The Training duration is approx. 2 months. **(About 80 hours)**

References

We have trained many hundred individuals in various areas since past over 12 years and many references can be provided if so, needed about quality of our service. And support beyond training. We benchmark our SAP training as best in country. Please join our DEMO class to understand the difference in teaching quality.

The Training fee is as follows which can be paid in two equal installments (By Check, Online Transfer, Cash)

- For all-students (having GC, US Citizens, H1B, H4 etc.) fees is USD 1200 **(Think Tree Guaranteed Job Interview after student Assessment).**
- For student (OPT and F1 visa only) training fees are USD 390.
- Training fees is **fully refundable after 6 months on job after placement** by Think Tree Technologies

Financial Obligation after Placement on Job by Think Tree Technologies Inc

Note: -

- Just to give you rough idea, when you are going for marketing/placement with us, you may expect initial salary somewhere around 80-120k annually on your first project, after having experience of project salary increase



- Financial obligations are applicable only in the case when marketing /placement is done by Think Tree Technologies, you are free to market yourself if you have your resources available, in that case above sections in financial obligation doesn't apply to you.