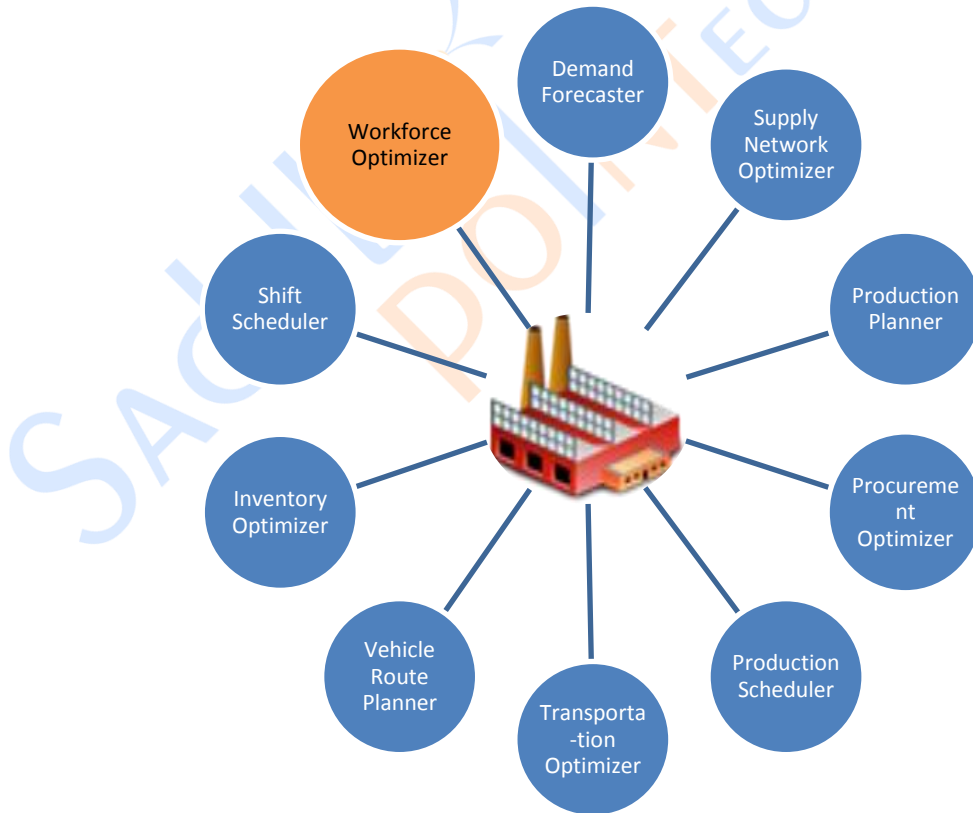# Workforce Optimizer

Allocate a set of resources with multiple skill sets, different billing rates and different expertise levels to a set of projects requiring varied skill sets at different phases of multiple projects being executed simultaneously while considering constraints like skill set ramp up time, work day calendar, resource holiday calendar etc. in the most cost effective way.

The manpower tool is suitable for medium and large software companies running multiple parallel projects.

IBP Cloud Suite

Saddle Point IBP Cloud Suite is a fully integrated, easily configurable and feature rich cloud based planning suite with a SaaS offering. Workforce Optimizer module is part of the planning suite helping in optimal allocation of the workforce in an organization to various projects.

- Workforce Optimizer
- Demand Forecaster
- Supply Network Optimizer
- Production Planner
- Procurement Optimizer
- Production Scheduler
- Transportation Optimizer
- Vehicle Route Planner
- Inventory Optimizer
- Shift Scheduler

Features

Following features are supported in this version of the workforce scheduling module

- Multiple projects with multiple phases with phase wise duration

- Project priority

- Multi resource multi skill-set matrix

- Multi level resource expertise

- Resource requirement as a function of project, phase, skill-set and expertise level

- Resource skill set ramp-up over time

- Resource availability calendar, work-day calendar, holiday calendar

Reports

Allocation Report

Project_Name	Phase_Name	Skill_Set_Name	Level_Name	01-01-2014	08-01-2014	15-01-2014	22-01-2014	29-01-2014	05-02-2014	12-02-2014	19-02-2014	26-02-2014
PP1	Design	C++	Beginner	Julia	Julia	Julia	Julia	Julia	Julia	Julia	Julia	Julia
PP1	Design	Big Data	Beginner	Tom	Tom	Tom	Tom	Tom	Tom	Tom	Tom	Tom
PP1	Dev	Java	Beginner					Lisa	Lisa	Lisa	Lisa	Lisa
PP1	Dev	VBA	Beginner					Michael	Michael	Michael	Michael	Michael
PP1	Dev	Big Data	Beginner					John	John	John	John	John
PP2	Design &Dev	Java	Beginner	Lisa	Lisa	Lisa	Lisa					
PP2	Design &Dev	Big Data	Beginner	John	John	John	John					

Filters: Project_Name (PP1, PP2); Phase_Name (Design, Design &Dev, Dev); Skill_Set_Name (Big Data, C++, Java, VBA); Level_Name (Beginner); Resource_Name (Harry, John, Julia, Lisa)

Unmet Report

Project_Name	Phase_Name	Skill_Set_Name	Level_Name	29-01-2014	05-02-2014	12-02-2014	19-02-2014	26-02-2014	05-03-2014	12-03-2014	19-03-2014
PP1	Dev	C++	Beginner	1	1	1	1	1	1	1	1
PP2	Design &Dev	Big Data	Beginner	1	1	1	1	1	1	1	1
PP2	Design &Dev	Java	Beginner	1	1	1	1	1	1	1	1

Filters: Project_Name (PP1, PP2); Phase_Name (Design &Dev, Dev); Skill_Set_Name (Big Data, C++, Java); Level_Name (Beginner)