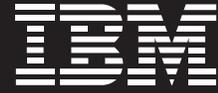


IBM Software Group

Nurse Scheduling Optimization



Solution Description

In busy hospital environments, the ability to efficiently and optimally schedule personnel is critical. Because of the varied scheduling requirements involved in creating a nursing schedule, the task becomes very challenging without the aid optimization technology. Built on the IBM ILOG Optimization Decision Manager (ODM) platform, the Nurse Scheduling Optimization solution allows users to cope with numerous operating constraints so that business objectives, resources and operational limitations can be realized into the best possible action plans and schedules. The solution eliminates the need to manually develop plans and schedules, allowing maximum operational efficiency. You provide the information and the Nurse Scheduling Optimization solution does the work.

Features & Benefits

- **Rapidly create and compare scenarios**
Quickly create scheduling scenarios and modify any input data or goal while comparing results and solution metrics.
- **Understand the optimized plan or schedule**
Take advantage of explanations, controlled relaxation of constraints and scenario comparison to help fully understand your optimization models.
- **Modify recommended plans and schedules**
Use recommendations as a starting point, freeze part of a solution to resolve it – or manually modify a plan or schedule
- **Works with Microsoft Excel**
Utilize well known business tools (e.g., Excel) and send recommendations taking advantage of their charts and tools.
- **Create a database of solutions over time**
Make better decisions and build an invaluable database. The solution metrics that come with each optimization scenario help track operational efficiency and financial performance over time.

Value Proposition

The Nurse Scheduling Optimization solution helps users develop not only a feasible schedule, but one that is able to efficiently meet as many of the hospital's overall goals as possible. The solution allows users to easily adjust assumptions, operating constraints and goals for planning and scheduling resources, and to view the results quickly and in familiar business terminology.

The Nurse Scheduling Optimization solution can improve utilization for personnel based on any number of variables, including certifications, employee preference and budget constraints. It allows organizations to assign the best resources to each task, at the best possible time. The solution enables organizations to gain visible results within only a few months. Expenses are reduced, earnings are increased and service is improved.

IBM Segment

- ILOG Optimization

Business Function

- Personnel Scheduling

Target Industry

- Healthcare Providers

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Let's build a smarter planet.

