

SCHEDULESOFT NEWS

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Using Custom Algorithms to Automate Scheduling

Custom Generation Algorithms are mathematical equations that can help automate your scheduling process by creating a step-by-step procedure to automate straight time and overtime assignments in industries such as manufacturing and security. They are one of the most compelling reasons organizations purchase ScheduleSoft.

ScheduleSoft custom algorithms are designed by our services team in conjunction with your project staff and subject matter experts to ensure that all of your critical scheduling practices and goals are addressed in the final product. Depending on your specific needs we can design systems that will automate:

- Backfilling and Bumping
- Assignment Equalization
- Job Volunteering/Refusal Consideration
- Adherence to Scheduling Rules (such as collective bargaining agreements or fitness for duty programs)

In the end, you will receive a system that will automatically schedule your employees to fill your staffing demands according to your scheduling rules with one mouse click.

To find out more about ScheduleSoft's custom algorithms, [contact us!](#)



Custom Algorithms in Action

Recently, ScheduleSoft worked with two large manufacturing facilities to automate complex scheduling rules through Custom Generation Algorithms. In each case, the ability to automate these complex processes highlighted the advantages of using ScheduleSoft.

One facility has multiple lines of progression per department, and the reassignment of employees when vacancies occur is being automated through Custom Generation Algorithms. The same facility also uses Custom Generation Algorithms to split shifts for overtime assignment, automating over eighty-percent of all schedule related tasks!

The other facility schedules their employees to two, four-hour straight time assignments per eight hour shift, requiring up to 1500 manual schedule assignments per day. Employees submit volunteer requests via the Kiosk and a separate overtime Custom Generation Algorithm assigns overtime volunteers and force employees into overtime assignments based on the facility's current scheduling practices.

To learn how ScheduleSoft can help automate scheduling at your facility, [contact us!](#)



Exploiting Automation Flexibility

Computer driven scheduling systems save time by automating the complex decision making processes that were previously executed by administrators. The time savings results from transferring the scheduling tasks from the administrator to the automated process. Sometimes, this is viewed as a trade-off between a strict schedule output without flexibility, versus the ability for a "human touch" to bend the rules in special and emergency cases.

Automated systems consider all of your scheduling variables to produce faster, predictable results on a consistent basis. Essentially, the automated system will "house" your organization's scheduling policies and rules and produce your schedule "behind the scenes."

In cases where flexibility is necessary, ScheduleSoft offers a suite of features that can compliment the output produced from the automated system. ScheduleSoft will work with your facility to find the proper balance you require between automation and "human touch" factors, so you can have the best of both worlds!

To find out more about automating your schedule, [contact us!](#)



Learn More About ScheduleSoft!

To find out more about ScheduleSoft can help you schedule more efficiently and cost effectively, contact your Account Representative or call 1.866.807.8090

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