Hospital operating room (OR) planning is a complex task where numerous resources must be synchronized in order to achieve optimal resource utilization and cost efficiency. Many outpatient ORs use block scheduling to assign time to surgeons requiring hospitals to staff an entire surgical team of nurses, anesthesiologists, and technicians for an entire day when only a couple procedures are scheduled. This creates staffing conflicts and reduces efficiency, ultimately increasing hospital costs.

Pro-OR is a smart web-based software with easy user interface, designed to improve utilization of OR time integrating various details and factors such as time needed for a procedure and hospital goals. Embedded algorithms strip patient data from schedules to allow hospitals and surgical centers to share best practices for optimizing OR time. The software is being developed for prospective OR scheduling and staffing to offer insight into cost-containment schemes.

**TECHNOLOGY SUMMARY**

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**FEATURES AND BENEFITS**

- Offers insight into cost-containment schemes.
- Mitigates day-to-day variability.
- Increases number of surgeries that can be performed per day by reducing block scheduling with unused OR time.
- Offers real-time optimization of workflow.

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**INVENTOR PROFILE**

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