V-SOFT CONSULTING

Interactive Power BI Dashboards for Enrollment Trends and Predictive Forecasting

Case Study

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THE CLIENT

Galen College of Nursing is one of the nation's premier nursing schools, empowering healthcare's next generation through multiple campuses across the United States. With a vision to shape the future of healthcare, the client is providing a plethora of programs for future nurses.

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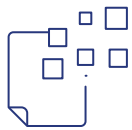
CHALLENGES

As the institution expanded, its data environment became increasingly fragmented. Enrollment numbers, application statuses, financial aid progress, and other critical metrics were spread across disconnected, campus-specific systems and silos.

Manual reporting slowed decision-making, inconsistent data eroded trust, and without predictive visibility, planning remained reactive rather than strategic. Key challenges are:



Visibility Gaps

Fragmented data blurred campus performance and delayed action.

Predictive Blind spots

Without forecasting or integrated predictive analytics, their long-term planning suffered.

Data Inconsistency

Inaccurate regional data created uncertainty, slowing momentum and confidence.

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SOLUTION

It's clear that what Galen needed was not just better data; it needed unified intelligence. V-Soft engineered and deployed a comprehensive suite of interactive Power BI dashboards covering application aging, financial aid progress, enrollment trends, and predictive forecasting.

Now, Galen could view its entire data ecosystem as a single source of truth. Here's how V-Soft's data engineers transformed their data landscape:

- **Unified Data Integration:** It allows users to easily visualize the data at the Region, Campus, Counselor, Program, and Term levels with simple filters, facilitating dynamic analysis of the data.
- **Dynamic Performance Filters:** Enabled side-by-side campus comparisons and precise tracking of re-entry student trends.
- **Advanced Analytics: I**mplemented drill-down & drill-through analytics for hierarchy navigation and predictive models for future enrollment and resource planning..
- **Role-Based Access Control:** Ensures each department sees only the data they are authorized to view while giving executives instant access to all dashboards.

The new dashboards are built with optimized data modeling and engineering techniques for faster load times and a seamless user experience. Key differentiators are:

- **User-Friendly Interface:** A modern, intuitive design that reduces training time and increases user adoption.
- **Custom KPI Tracking:** Monitor institution-specific metrics, such as conversion rates, campus performance, and recruitment stages, aligned with strategic priorities.
- **Export & Sharing Options:** Effortlessly share insights via PDF, Excel, or PowerPoint.

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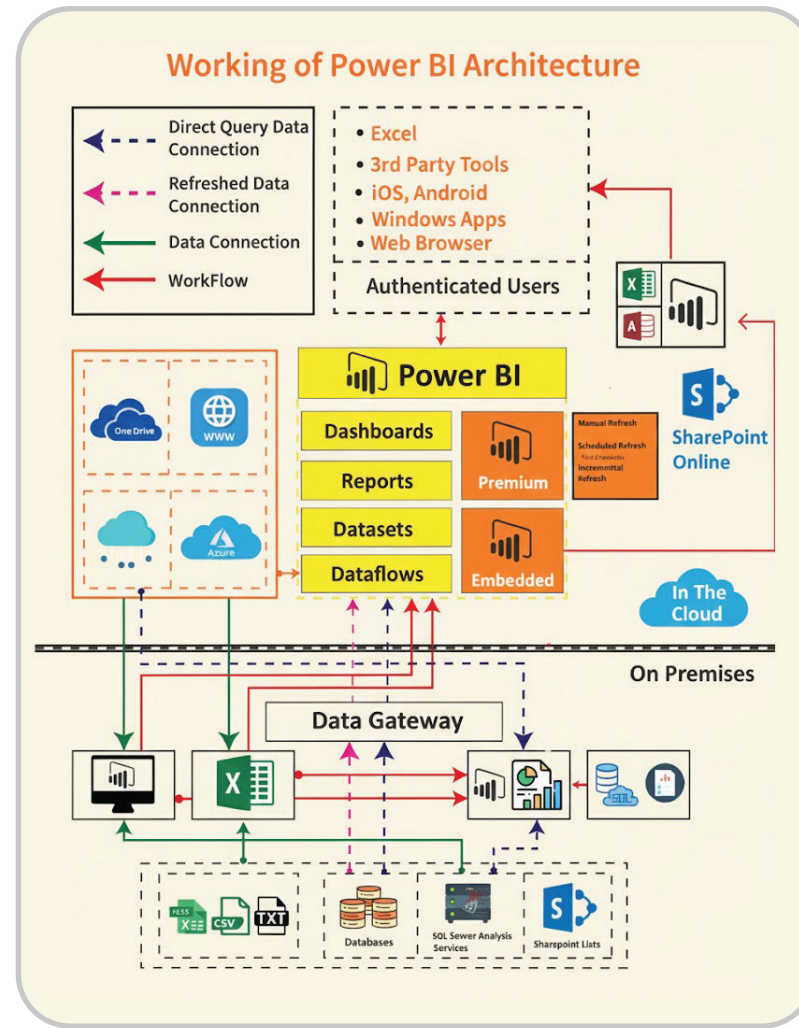
- **Automated Alerts & Notifications:** Receive instant, threshold-based alerts for enrollment dips, performance changes, or target achievements.
- **Drill-Down & Drill-Through Analytics:** Enabled side-by-side campus comparisons and precise tracking of re-entry student trends.
- **Predictive Analytics & Forecasting:** Delivers advanced visibility into enrollment trends and resource needs, improving planning for marketing, staffing, and budgeting.
- **Real-Time Insights:** Provides near real-time updates, giving decision-makers immediate access to the latest enrollment and performance metrics.
- **Mobile-Friendly Dashboards:** Optimized for tablets and smartphones, ensuring insights are always accessible on the go.

The Architectural Flow:



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TECHNOLOGY

Power BI Desktop

DAX

Microsoft SQL Server

Power Query

Service

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RESULTS

Galen now achieves operational precision across 24 campuses in 12 states, supported by real-time insight into enrollment, performance, and marketing ROI, turning manual efforts into instant, confident decisions.

- Real-time access to KPIs provided leadership with valuable insights into enrollment trends and performance metrics.
- Standardized metrics across campuses created consistency, lowering confusion and bringing teams together around shared goals.
- Leadership gained the ability to monitor enrollment performance by region, campus, and counselor, allowing for targeted and strategic decisions.

90%

Reduction in manual reporting and forecasting time.

80%

Improvement in data accuracy and decision-making.

100%

Consolidated performance tracking and unified insights.

70%

Reduction in manual effort through workflow optimization.

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