

# SMT Dashboard

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## 1. Background

For a long time, the school has faced issues of “scattered data, inconsistent standards, and reliance on manual statistics” :

Core data on students, staff, research, and resources has been dispersed across multiple business systems, often requiring manual integration;

Various departments developed their own reports independently, leading to inconsistent metrics and making it difficult to form a unified school-level view;

Management lacked a single platform offering a “panoramic overview of the entire school,” forcing strategic decisions to rely on fragmented information.

With the completion of the data platform development, the school now possesses a well-governed, high-quality data foundation. At this stage,

there is an urgent need for a dedicated school-level dashboard designed for SMT—built on unified data standards—to comprehensively integrate and reflect the school's overall operations.

## 2. Solutions

The SMT Dashboard leverages the unified governance outcomes of the data platform to construct a holistic view for school management.

Senior leaders no longer need to navigate multiple systems; they can grasp the overall situation through a single access point.

The dashboard content revolves around four core domains: students, staff, research, and campus operations.

The student module displays distributions by gender, nationality, campus, and student type among current students, while also presenting enrollment trends over time.

The staff module focuses on organizational structure and stability, showing breakdowns by employee type, nationality, and years of service to help management quickly understand long-term structural changes in faculty and administrative teams.

The research module presents both the overall output and its distribution across schools/colleges. It integrates core indicators such

as copyrights, patents, and publications with the number and funding of horizontal and vertical research projects, enabling strategic assessment of research input and output.

The campus operations module covers key resources in daily operations, including the scale and structure of bookable spaces (e.g., classrooms, computer labs), status of IT fixed assets, handling of IT service tickets, and library collection information—helping the school evaluate resource utilization and operational efficiency.

All data in the dashboard comes from the school's data platform, having undergone full standardization, quality management, and security controls. This ensures uniform metrics, consistent data models, and synchronized update frequencies. Through this deep integration of governance and presentation, management can access key school data with zero manual effort, gaining a panoramic view of the institution's development.

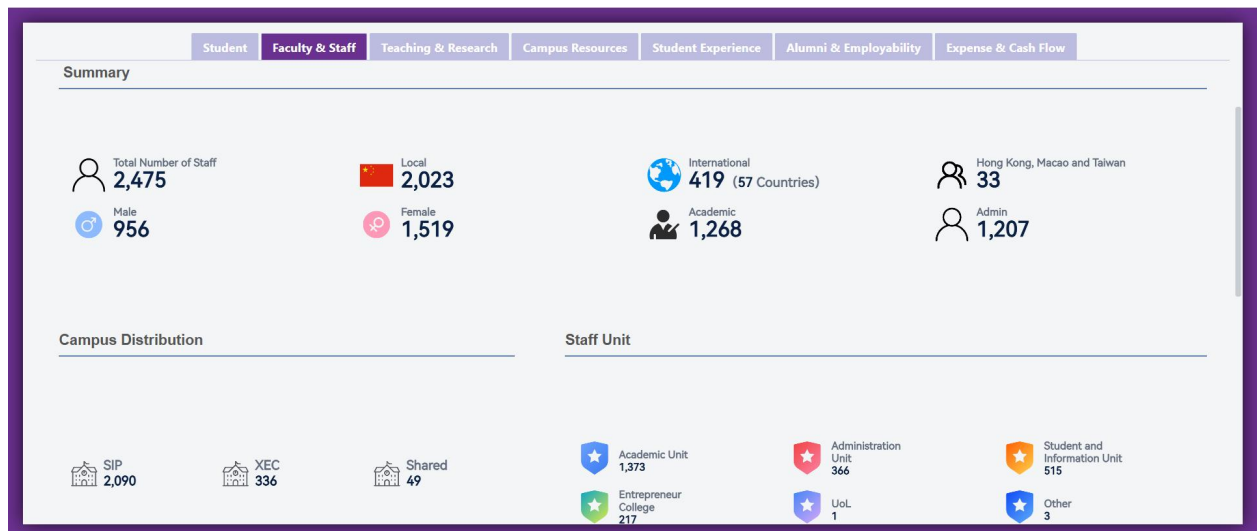


Figure 1. SMT Dashboard - Employee Section

### 3. Outcomes and Benefits

Previously, aggregated data relied on manual integration and cross-departmental collaboration. Now, the data platform automatically processes and updates information in real time, enabling senior meetings, strategic analysis, and daily management to proceed based on the latest and most accurate data. This significantly improves decision-making efficiency and information transparency.

Management can quickly identify trends and potential bottlenecks—such as changes in student enrollment, fluctuations in research output, or pressure on certain resources—allowing for more timely policy adjustments and resource allocation decisions.

Under the two-layer structure of “data platform + reporting platform,” the outcomes of data governance are directly translated into management value, strengthening the school’s recognition of data governance efforts, and promoting deeper adoption of data-driven management practices. This not only demonstrates the effectiveness of data governance but also creates a closed loop from data governance to business value realization.

#### 4. Replicability and Promotion Value

After validation at the school-wide management level, this model can be extended to colleges, administrative departments, and other subunits to create multi-level, customizable “organizational dashboards.” Compared to traditional departmental reporting methods, college or unit dashboards developed based on the centralized data platform and unified metric system can inherit the standardized definitions of school-level reports while allowing customization according to specific operational priorities (e.g., admission quality, research output, teaching operations, administrative efficiency). This enables deans and department heads to stay informed about their unit’s performance and resource status, identify issues faster, and drive improvements.

## 5. Next Steps

The school plans to incorporate themes such as student organizations, scholarships and student development, graduation and employment data into the dashboard during the 2025 – 2026 academic year.

Financial and budget-related indicators will also be gradually introduced to support strategic analysis from more dimensions.

Meanwhile, IT is piloting an AI-powered Q&A feature that will allow management to query data through natural language, providing smarter decision support. Given the high sensitivity of school-level data, the dashboard will continue to enhance its presentation and decision-support capabilities while maintaining strict security controls.

Moving forward, the SMT Dashboard will further enrich its data content, increase its intelligence level, and strengthen its strategic value, thereby advancing the overall maturity of the school's data governance system.