

XJTLU Staff Personal Data Centre

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1. Background

Prior to the development of the platform, staff-related data at Xi'an Jiaotong-Liverpool University (XJTLU) were dispersed across multiple independent systems, including human resources, teaching and learning, research management, and campus services. Staff members were required to frequently switch between systems to access personal information related to teaching, research, and assets, resulting in complex workflows and low efficiency.

At the institutional level, data across these systems were not interconnected or shared, making it difficult for the University to obtain a holistic view of staff profiles and activities. As a result, comprehensive and precise data support for staff management and service provision was lacking, leading to pronounced issues of data silos and fragmented services.

2. Solutions

◆ Integration of Six Core Functional Modules

The platform integrates six key modules to provide a comprehensive and unified view of staff-related data:

- **Personal Profile:** basic employment information (length of service, position, office location) combined with personalized tags;
- **Teaching and Academic Activities:** course schedules and teaching workload statistics;
- **Research Management:** distribution of research activities and project-related data;
- **Campus Life Services:** library and sports centre usage records, meeting room reservations;
- **Assets and Resources:** printing records and personal asset information;
- **Collaboration and Networks:** distribution of colleagues and information on key collaborators.

Together, these modules enable one-stop access to core staff data across academic, administrative, and campus life domains.

◆ Process Optimization and Data Governance

All relevant data are centrally collected and governed through the data

management platform, enabling real-time synchronization across multiple systems. Operational processes are streamlined through the “single table” interface combined with a unified search function, significantly reducing system switching and allowing users to quickly locate required information.

3. Outcomes and Benefits

◆ Improved Operational Efficiency

The time required for staff to query personal and work-related data has been significantly reduced. Staff can also view a personalized overview of their “XJTLU journey,” enhancing engagement and transparency.

◆ Enhanced Data Value Realization

The integration of full-spectrum staff data provides robust support for faculty development and resource allocation. Comprehensive data aggregation and visualization enable more informed decision-making in areas such as staff planning, workload management, and service optimization.

About Me

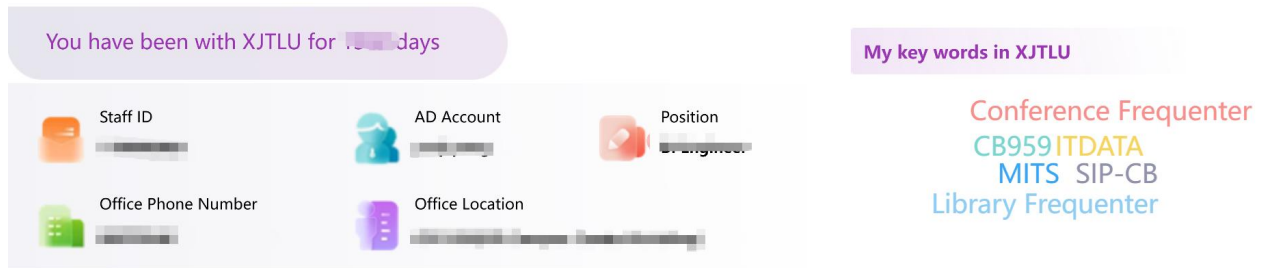


Figure 1. Staff One Sheet



Figure 2. Staff One Sheet



Figure 3. Staff One Sheet

4. Replicability and Promotion Value

This case is applicable to a wide range of organizations, including universities, research institutes, enterprises, and government agencies. In the education sector, functional modules can be flexibly adjusted to align with institutional characteristics. In enterprise and public service contexts, the solution can be directly adapted for employee or civil servant data management, demonstrating strong scalability and promotion potential.

5. Next Steps

- ◆ Deepening Functional Capabilities: introduce additional personalized recommendation features to enhance user experience;
- ◆ Expanding Data Coverage: integrate data from newly connected business systems, such as access control and gate systems;
- ◆ Optimizing User Experience: further enhance mobile access and upgrade data visualization capabilities to improve usability and insight delivery.