



**Leading University puts Students first with  
Data-Driven Portal**

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## ESTABLISHED UNIVERSITY CASE STUDY

A well-established university with over 30,000 students consistently ranks among the top 100 universities internationally. With over 300 research centers, it is listed in the world's top 20 for scientific citations. Recently, pressure has been mounting from smaller, well-funded colleges that has resulted in stiff competition for students. Although this highly-ranked university has a stellar reputation for scientific citations and innovation, it was unable to provide a superb digital experience for prospective students, staff and the current student body.

Prospective students checking out these institutions expect a modern digital experience, with accurate registration and tuition information, maps, and links to the various social communities. Current students and staff need access to class and exam timetables, study groups and grades online, and require real-time updates about last-minute lecture and lab cancellations.

University data resides in a number of core systems located on Oracle and DB2, and in the Academic Student Management System, ERPs, and cloud-based learning platforms such as Moodle. Integrating and unifying all this data in various formats was a challenge for the university. IT leadership knew that they needed an integrated hub, and searched for a solution that unifies data models and APIs, and offers top performance with ACID compliance.

### Solution

The University chose GigaSpaces Smart DIH which powers a newly developed student portal with continuously fresh consolidated data drawn from multiple and diverse university systems. Addressing the need to provide a superior student experience and scalability to support peak activity periods, Smart DIH was chosen for its supreme performance, ability to integrate various systems into a unified data model, and to provide fresh, accurate data, with 24/7 availability.

#### Smart DIH was deployed on-premises to:



Integrate data from multiple systems (ERP, LMS, etc.) using CDC, via IBM's IIDR



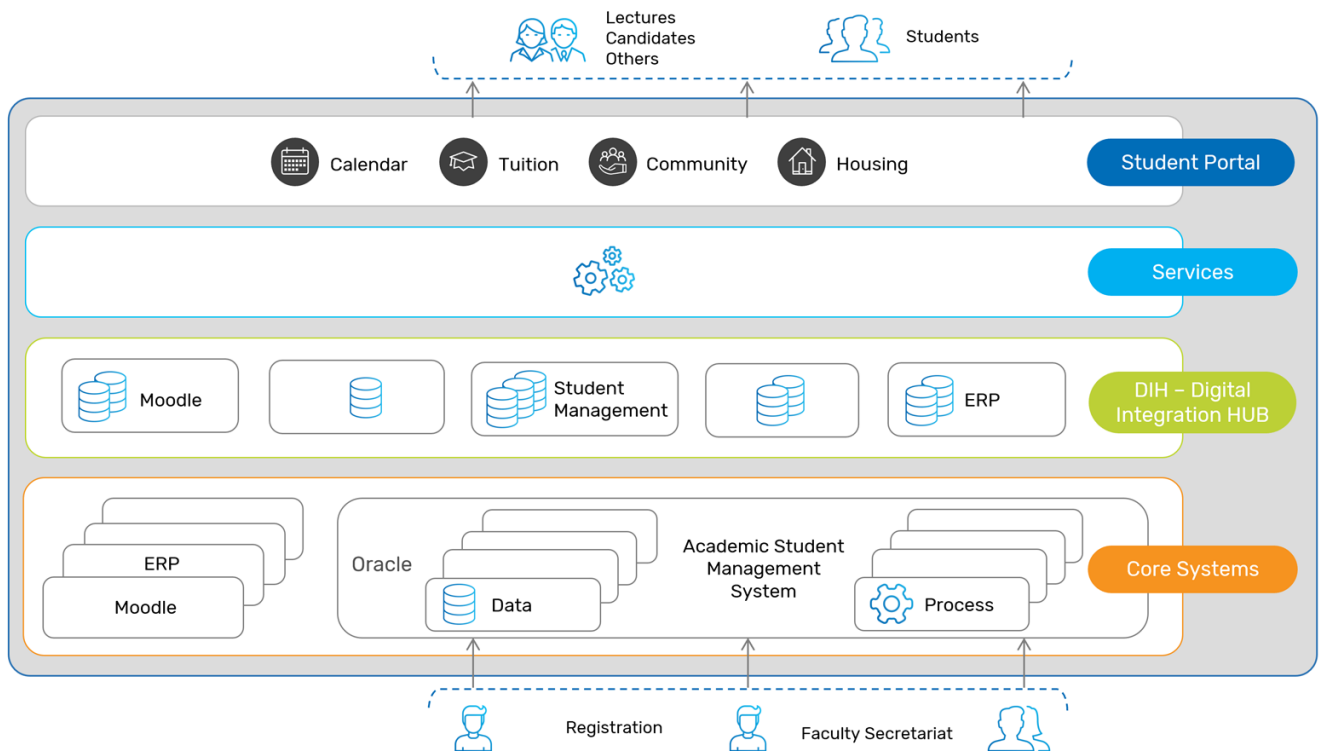
Unify APIs and data models



Enable fast, always-on access and ACID compliance



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### Benefits

#### After deploying Smart DIH:

- ✓ Students and staff now have a single portal where they carry out all activities such as registration or joining study groups in real-time, on any device
- ✓ The University's digital services provide a competitive edge in attracting new students and improve daily operations for staff and administrators
- ✓ Users are enjoying new apps and services that were quickly developed and released using the Smart DIH Microservices/Data-Services framework
- ✓ The University provides always-on access even during peak periods, with Smart DIH's scale-up and scale-out capabilities

Thanks to Smart DIH, the University was able to completely transform the online experience it offers students, helping it become a leader in student engagement as well as academics.

#### About GigaSpaces

GigaSpaces is building on its in-memory computing and operational data store technologies to offer one of the market's first Operational Data Hubs, an out-of-the-box data platform that empowers organizations' digital transformation while lowering legacy systems' TCO. Whether you need to accelerate one application with cache, or modernize your entire architecture, GigaSpaces can future-proof your investment. Never before has it been this straightforward to accelerate API-powered digital applications.

For more information visit [www.gigaspace.com](http://www.gigaspace.com).