

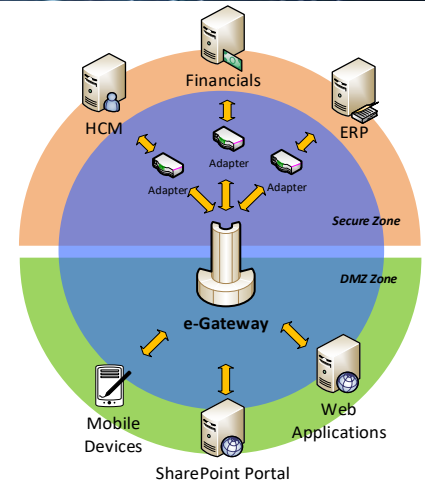
Digital Transformation e-University Solution

Logicom
Solutions

In an effort to manage mission critical information better, perform their daily tasks more efficiently, share information to key stakeholders more effectively, and ensure that they become more competitive, organizations in the **Education Sector** move more and more towards the computerization and automation of their operations. As they increase the number of information systems that they introduce, they also run through the risk of experiencing higher overhead for managing, analyzing, and reporting on potentially duplicate information across various systems.

The **e-University Solution** unifies all information systems used throughout the organization ensuring that:

- Access to information and execution of procedures is done through a single point
- Data updates are propagated automatically to other internal backend systems as needed (seamlessly to the users)
- User access is controlled through a centralized permissions scheme



Key Features

Unified Access

Unified access to university-wide systems information

Customizable Forms and Workflows

Supports data entry through easily customizable SharePoint forms and automates execution of customizable business workflows

Integration

Can be extended to integrate with other business applications as new needs arise

SMS Notifications

Can integrate with SMS Centers for sending SMS notifications to users

Payment Services

Can integrate with Payment Service Providers for processing payment transactions directly through the SharePoint Portal

Monitoring

Allows user activity monitoring through advanced logging and auditing mechanisms

Architecture Overview

e-University Solution is based on a multi-layered Service Oriented Architecture (SOA). The main layers of the solution are:

- **Presentation Layer (Portal):** This layer is accessed by the business users through the University portal, which includes controls for user input and display, in addition to components that organize and enable user interaction.
- **Service Layer:** This layer implements the majority of the business logic. Depending on the actions that users perform on the Presentation Layer, the Service Layer determines the list of data extractions or data updates that need to be performed at the level of the backend systems.
- **Integration Layer:** This layer is responsible for enabling communication between the Service Layer and the backend systems. Adapters are customized as per the extensibility standards that the Backend Systems support.
- **Backend Systems:** This layer holds all university-wide data. Data from those systems are retrieved / updated from the Integration Layer in order to ensure that there is no direct access from any Presentation application to the backend systems.