



MIMOS Intelligent Learning Management System (Mi-Edunet)

In the ever-evolving state of education today, there is a need for a system to combine the administration, documentation, monitoring and content delivery of taught subjects. The system also needs to be fully interactive and cloud-based to increase usage and improve access. MIMOS Mi-Edunet offers a system to manage education through blended learning and online collaboration.

Overview

MIMOS Mi-Edunet is a cloud-based intelligent learning management system focused on personalised interaction between the system and the learner. Stakeholders such as students, teachers, principals, parents, school administrators and education officers all have assigned roles within the system. Mi-Edunet blends the best learning processes targeted to motivate students to master taught subjects.

Features

Mi-Edunet comprises the following features:

Structured Interface

Mi-Edunet is presented in an icon-based interface with dashboard drilldown capability from country-level to school-level and includes performance monitoring of students.

Content Management

A centralised repository houses education content and facilitates structured and unstructured content sharing and collaboration.

Security and Identity Management

Single Sign-On (SSO) capability and data integrity measurement are provided to ensure security on the cloud.

Cloud-Enabled Applications

Mi-Edunet comprises intelligent service delivery platform, cloud management system, learning management system (LMS), content management system (CMS), and interfaces with third party tools.

Open Architecture

The service-oriented architecture (SOA) of Mi-Edunet allows the design to be scalable and flexible for future expansion.

Technology Benefits

The main impacts of Mi-Edunet are:

Improved Outcomes

Students can utilise effective learning aids to improve learning outcomes and learning motivation. Teachers can prepare a more effective teaching plan via student profiles. Administrators can monitor performance and perform policy planning.

Adaptive Learning

Mi-Edunet includes a learning item bank and the ability to randomise questionnaires. Utilising weighted scoring, fair assessments are produced.

Personalisation

Mi-Edunet supports multi-modality learning materials and role-based access and features. Also included are psychometric components to support multiple learning paths.

Standards-Compliance

Mi-Edunet was developed according to Sharable Content Object Reference Model (SCORM) compliance and W3C semantic web standards for scalability and cross-compatibility.

MIMOS is the leader in ICT innovations, pioneering new market creations for partners through patentable technologies for economic growth. For more information on MIMOS technologies, contact mimosolutions@mimos.my or go to www.mimos.my.



Technology Summary

Mi-Edunet

A cloud-based intelligent learning management system for personalised learning.

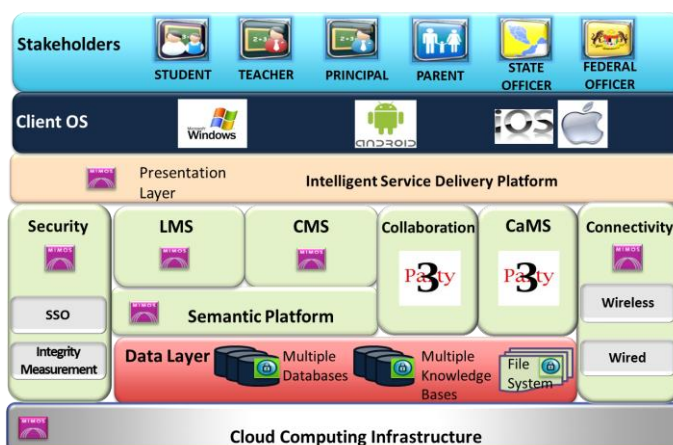
Industries: Enterprise, Government, Education, Healthcare, Agriculture, Financial

Features

- Structured interface
- Content management
- Security and identity management
- Cloud-enabled applications
- Open architecture

Technology Benefits

- Improved outcomes
- Adaptive learning
- Personalisation
- Standards-compliance



MIMOS Mi-Edunet system architecture

System Requirements

Mi-Edunet	
System Configuration Requirements	
Server Allocation	Application Server; Cache Server (Memcached) Resource Monitoring; Authentication Server (Primary & Secondary) File Server; DNS Server; Service Provider Server
Load Balancer	HA Proxy
Knowledge Base/Database	MySQL®
Client Requirements	
Processor	Intel® Pentium® 4 2.6GHz or equivalent
Memory	Minimum 1GB of RAM
Disk Storage	Minimum 40GB of hard disk space
Connectivity	Wired: 100Mbps or higher, Wireless: 802.11g or higher
Software Requirements	
Tools	CentOS 6.0 or above; Java™ SDK 1.6 update 25 or above MySQL Enterprise 5.5.14; Tomcat 6.0.32 or above Apache Web Server 2.2.3 or above; PHP 5.2 or above Alfresco 4.0 (CMS 1.0 is based on Alfresco 4.0d)
Third Party	Adobe® Flash® Player 10 or above Codec Pack such as K-Lite 9.3.0 Full or above Adobe® Reader® 10 or above; Google Chrome 10 or above