

Knowledge
Economy
Skill
Development
E-learning
Excellence

KESD@E

KESD@E Learning Management System

K-LMS



K-LMS

KESD@E empowers your organizational learning culture through KESD@E Learning Management System (K-LMS), a software package that automates all your training activities. It is a scalable, flexible platform for managing both instructor-led and e-learning activities, resources, schedules, and courseware catalogs across the organization. With KESD@E Learning Management System, you will bring home the benefits of a high utility, comprehensive system, which will reduce your administrative efforts and costs dramatically. K-LMS promises efficient delivery of personalized courses to match the demands of a knowledge economy.

www.kesdee.com

KESDEE provides K-LMS in three different models

1. ASP Model (SaaS – Software as a Service)

KESDEE deploys and manages the K-LMS along with the IT infrastructure. Using this outsourcing model, the organizations can benefit from hassle free access to e-learning content by spending less time and effort on technical support issues with respect to the IT infrastructure.

ASP model leverages the power of shared computing, thereby making it a cost-effective solution for all. This model comes with attractive price options based on the number of users.

2. Behind the Proxy Solution

KESDEE will install and configure the K-LMS on either the Intranet/Internet servers of the organizations. Training is imparted for using the various attractive features of the LMS. KESDEE provides maintenance and version updates on K-LMS annually, subject to the terms and conditions of the contract agreed upon initially (may be altered as per the requirement from time to time).

3. Content Server Approach

KESDEE provides a content server SCORM 1.2 package that would contain course, access information, and SCORM communication methods. Content server approach for SCORM package delivery enables 'Remote Learning Management System (LMS)' to access the course content from KESDEE servers in an authenticated way.

Content would be served from KESDEE servers while launching the courses through LMS based on the course access information. This way, the Remote LMS can retain all of its features, both Admin and User level since the course information and user tracking data will be persisted in Remote LMS. LMS administration will be free with maintenance of large amount of course content and updates.

Content server approach would be an ideal solution when client/partner has their own LMS application solution and want to acquire the content from KESDEE to deploy into their LMS.

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KESDEE's Enterprise Learning Management System is capable of launching SCORM 1.2 compliant courses.

For more information, please e-mail us at:

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K-LMS Editions

KESD@E's Learning Management Solutions are designed as enterprise class distributed object application built on web technologies and relational databases. This architecture helps the organizations to integrate KESD@E's learning solutions into their existing infrastructure with minimal effort.

KESD@E Inc. offers Learning Management Solutions in two editions

K-LMS Enterprise Edition

K-LMS Enterprise Edition is an enterprise class LMS, which is highly scalable and reliable. K-LMS Enterprise Edition leverages the power of J2EE Technology and is compliant to SCORM 1.2 standards.

K-LMS Custom Edition

K-LMS Custom Edition is a proprietary Non-SCORM web-based learning management system with integrated admin console for user-tracking and administration purposes.

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KESD@E Learning Management System helps improve your business through

- Increased accessibility
- Lower costs through reusability
- Increased flexibility
- Quick information update

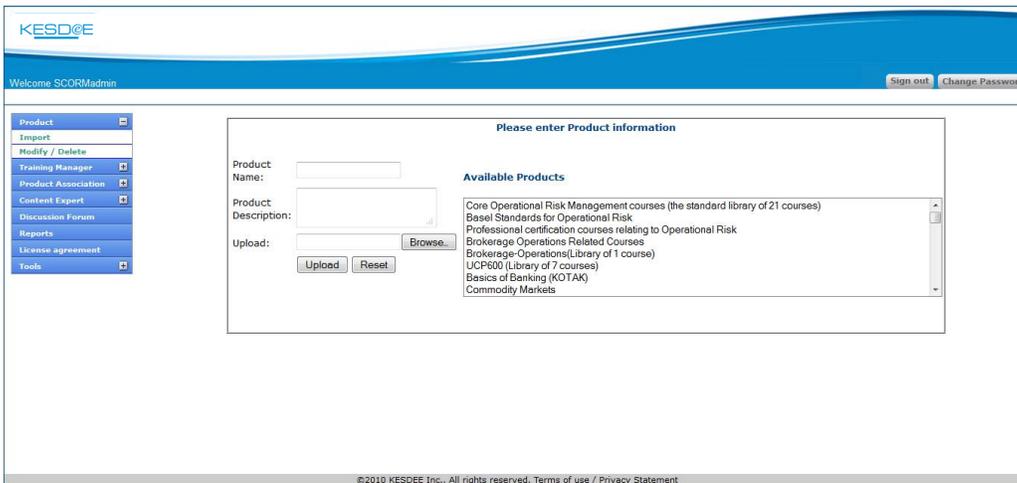
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K-LMS Enterprise Edition

The enterprise edition is split into two core modules:

- Administrative Control Panel
- Learning Environment



Administrative Control Panel

Administrative Control Panel allocates users with different administrative privileges to perform various administrative tasks. It supports role based privileges for the following user types:

1. Super User
2. Training Manager
3. Training Coordinator
4. Content-Expert
5. Tutor

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KESD@E Inc. offers a comprehensive, free
24 x 7 x 365 technical support for both K-LMS Enterprise Edition and Custom Edition

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K-LMS Enterprise Edition

Administrative Control Panel



Super User

Super User is an administrator with all privileges to access the e-Learning portal. The administrative functions/privileges associated with the Super User are:

- **Import a SCORM Compliant Course**

Allows the Super User to upload a SCORM 1.2 Compliant Course

- **Associate/Disassociate Products**

Helps the Super User associate SCORM 1.2 Compliant courses to training managers with start date, end date, total number of license, etc.

- **Create/Modify Content Expert**

Super User can create content expert to manage learners' queries

- **Manage Discussion Forum**

Super User has the privileges to add/modify a discussion forum category, manage topics and replies

- **Reports**

Super User can generate reports, viz.,

- Product license report
- User progress report
- Peak utilization report
- News report

- **Manage License Agreement**

Super User can create different license agreements for different products

- **Tools**

Super User has the privilege to generate the certificate for any user who has passed the product and can create several users at one shot under Training manager

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K-LMS Enterprise Edition

Administrative Control Panel



Training Manager

Training Manager is an administrator who manages the tasks and has the following privileges:

- **Messaging**

Helps the training manager to communicate with learners

- **Reports**

Training manager can generate the following learner tracking reports:

- General reports
- Users who have started the product report
- Users who have not started the product report
- Users' progress report
- Consolidated report
- Program status report
- Product duration report

- **Manage Groups**

Create and modify groups to manage large learner base

- **Customize Learning Path**

Training manager can customize the learning path for a group

- **Manage Training Coordinator**

Training manager can share the workload with a training coordinator with respect to 'Reports' or 'All' privileges

- **Manage Tutor**

Training manager can create tutors to collaborate with the learners

- **Manage User**

Training manager can create and manage learners

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Administrative control panel allows the administrators to generate user tracking reports, back office functions of discussion forum (Add a forum category, add/modify topics and replies) etc.

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K-LMS Enterprise Edition

Administrative Control Panel



Training Coordinator

A training coordinator can share the work load with the training manager with respect to 'Reports' or 'All' privileges

- **Training Coordinator with All Privileges**

Allows a training coordinator to function as a training manager

- **Training Coordinator with Reports Privileges**

Allows a training coordinator to generate only user tracking reports



Content-Expert

Using the features provided, the content-expert can do the following

- **Manage News**

Content expert can post/modify product specific news

- **Messaging**

Content expert can communicate with the learners through the messaging system

- **Chat & Discussion Forum**

Content expert can collaborate with the learners through online chat and discussion forum



Tutor

Tutor is an administrator to assist the learners during the process of learning. Tutors can interact with the learners through messaging, online chat, and discussion forum

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KESD@E

Administrative control panel allows the administrators to generate user tracking reports, back office functions of discussion forum (Add a Forum category, add/modify topics and replies) etc.

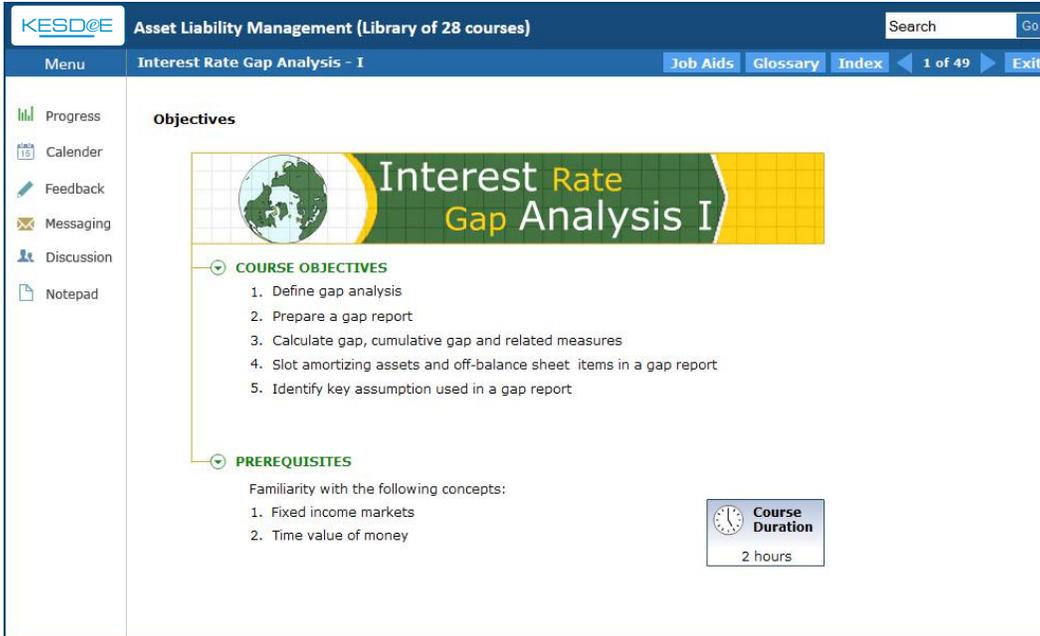
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K-LMS Enterprise Edition

Learning Environment Features

Learning Environment is the place for learners to start learning the courses associated to them. **KESD@E's Enterprise Learning Management System is capable of launching SCORM 1.2 compliant courses.** It is also equipped with various utilities that aid the learner during the learning process.



1. Progress

This feature allows users to keep a track of their progress. Functions such as courses covered, time taken on courses, or even attempted exercises with records of the users' scores and more, are available.

2. Calendar

A personal organizer that permits users to add, modify, or delete events for any given calendar day.

K-LMS supports the following mandatory CMI Data Model elements (12 elements) and optional CMI Data Model elements (3 elements).

CMI Data Model Elements

- *cmi.core.children*
- *cmi.core.student_id*
- *cmi.core.student_name*
- *cmi.core.lesson_location*
- *cmi.core.credit*
- *cmi.core.lesson_status*
- *cmi.core.entry*
- *cmi.core.score_children*
- *cmi.core.score.raw*
- *cmi.core.total_time*
- *cmi.core.exit*
- *cmi.core.session_time*

CMI Data Model Elements

- *cmi.core.score.max*
- *cmi.core.score.min*
- *cmi.core.lesson_mode*

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K-LMS Enterprise Edition

Learning Environment Features

3. Feedback

This feature facilitates the users to provide their valuable inputs on various aspects such as presentation, interactivity, skill enhancement, and content, in order to help us serve them better.

4. Messaging

Users can correspond with other users, tutors, training managers, content experts, and training coordinators through our inbox/compose facility. This feature has the option to store contact addresses.

5. Discussion

It is a virtual feature that enables collaborative interaction between users and tutors for discussion and information exchange.

6. Notepad

It acts as a scribble pad to note queries or important facts without interrupting the online training session. In this case, the users also have an option to view previous notes.

7. Search

This feature provides users with a quick look-up to relevant content pages based on any desired keyword. The search result pages are displayed in the order of relevance, most closely matching the keyword entered by the user.

Three additional features include

- **News:** Information is continuously updated with current reports on existing products
- **User Guide:** A detailed set of instructions which aid product navigation, specifies system requirements and gives technical support information
- **FAQ:** Lists the answers to the questions frequently submitted by users

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Compliance with e-Learning Industry Standards

Sharable Content Object Reference Model (SCORM)

KESD@E's Learning Management System is SCORM 1.2 compliant.

SCORM defines a web-based learning "**Run-Time Environment and Content Aggregation Model**" for learning objects. SCORM specifications are designed, to meet the following requirements:

Reusable - Easily modified and used by different development tools

Accessible - Can be searched and made available as needed by both learners and content developers

Interoperable - Operates across a wide variety of hardware, operating systems, and web browsers

Durable - Does not require significant modifications with new versions of system software

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Compliance with e-Learning Industry Standards

Content-Aggregation Model

Content-Aggregation Model describes a common way of grouping and delivering the learning resources. It defines a nomenclature for the components that comprise a learning resource. It is made up of the following components:

- **Assets**

It refers to individual files like images, html text, etc.

- **Sharable Content Objects (SCO)**

(SCO) Collection of assets

- **Content Aggregations**

It defines the content structure that provides a means for defining the sequence that the learning resources are to be presented in to the user.

- **Meta-data Components**

The meta-data component is used to describe the assets, SCO's, and content aggregation in a consistent fashion in such a manner that they can be searched and accessed across a SCORM repository. The meta-data components for assets, SCO's, and content aggregation are given below:

- Content aggregation meta-data
- Sharable content object meta-data
- Asset meta-data

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Compliance with e-Learning Industry Standards

Run-time Environment

Run-time environment provides a common way to launch a learning resource. It is a common mechanism to communicate with the LMS (Learning Management System), and a predefined vocabulary forms that serves as the basis of communication. Three aspects of the Run-time environment includes, Launch, Data Model, and Application Program Interface (API).

- **Launch**

It is a mechanism that defines a common way for LMS to start learning resources

- **Data Model**

It is a standard or pre-defined set of data-elements used to define the information being communicated, such as, the status of the learning resource, etc.

- **Application Program Interface (API)**

It is the communication mechanism that informs the LMS about the state of the learning resource (e.g., initialized, finished etc.,) Further, it is used to 'get and set' data between LMS and Sharable Content Object (SCO)

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