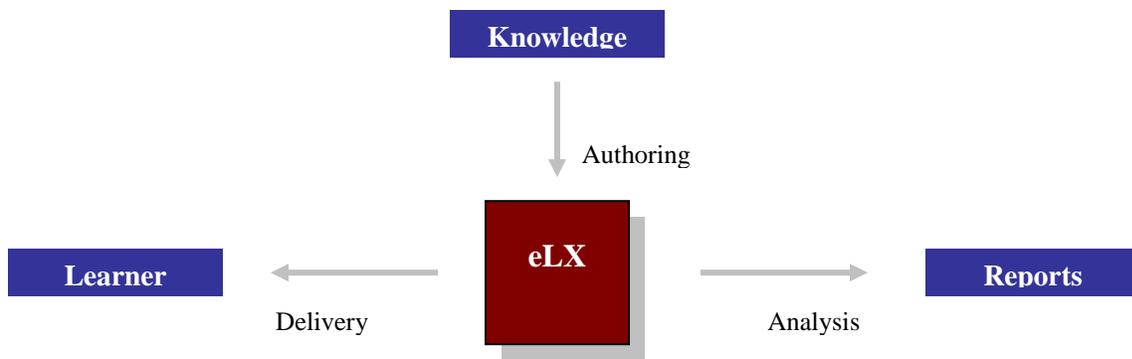


# OCTAL

Intelligent Delivery of Knowledge

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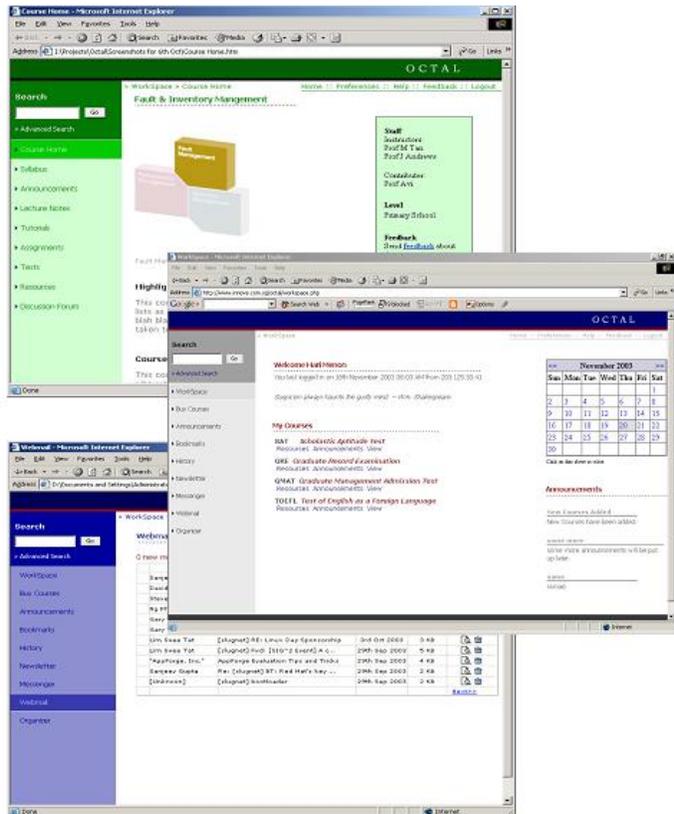


## The eLX-OCTAL Learning Management System

eLX-OCTAL stands for eCOLE Learning Exchange - *Online Collaborative Teaching and Learning*. eLX-OCTAL is a Learning Management System engine that combines the best parts of a Computer-based Training (CBT) and Web-based Education System. eLX-OCTAL intends to provide students and teachers with the best standards in online and virtual study environments in the form of holistic content administration tools, guided tutorials, multimedia-enabled lectures, automated reporting, and personalized teacher-pupil interaction facilities.

eLX-OCTAL enables an institution to effectively and uniquely deliver educational content by creating a virtual classroom. It offers the opportunity to maximize the potential of the Internet/Intranet in running Academic and Professional Training, be it Corporate, School-Centric or Private.

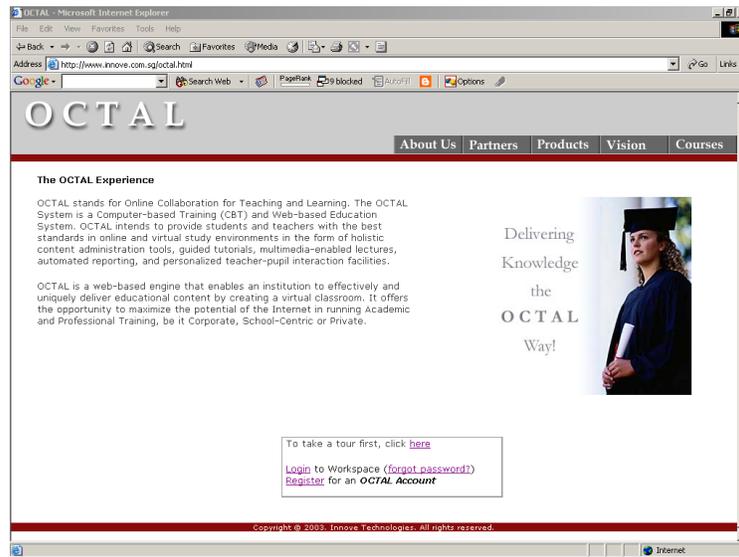
The eLX-OCTAL engine consists of many smaller sub-systems intricately woven together. We are able to deliver specific, customized solutions to customers by adding, modifying or re-arranging particular sub-systems in the engine as the customer deems fit. A customer may choose to tear down the complete interface of the LMS, and develop his own proprietary look-and-feel. He may have a legacy-authoring tool that he wants to use along with eLX-OCTAL. He may choose to have it communicate with his existing third-party financial system. The eLX-OCTAL engine allows for all such scenarios while seamlessly integrating the rest of the sub-systems to the new components. eLX-OCTAL, therefore, is probably one of the only completely scalable and customizable Learning Management Systems available in the market.



Another important feature that sets eLX-OCTAL apart is that it provides for rule-based course scheduling. The inbuilt *Intelligent Course Scheduler* monitors the student performance and times the balance of his course accordingly. The Scheduler can also be programmed to organize the course in various different fashions as the customer may want. It also allows for Teacher-based Scheduling and Personal-Student Scheduling. eLX-OCTAL, thereby, provides for a *Asynchronous Learning Environment*.

The eLX-OCTAL engine, being completely internet-enabled, supports multiple browsers. It also contains support for delivery of content on Tablets, PDA's and e-Books. The eLX-OCTAL engine contains tools for personalized Teacher-Student interaction and Student-Student interaction in order to enhance the learning experience.

## Product Features



In a nutshell, a student logging onto the system should be able to see the courses he is currently taking, go through course material, take quizzes and exams, access report cards, interact with peers, participate in discussion forums etc. The administrator on his part should be able to add students to the system, create courses and manage this application as a whole.

The eLX-OCTAL Engine is built to configure a wide range of features that would be required in any learning/teaching environment. These include facilities for Course and Content Management, Content Delivery, Student Management and Course Authoring on the Admin side; and Productivity tools, Reporting, personalization tools and others on the Student side. The Engine is also built in with Scheduling Algorithms and Automatic Evaluation Tools. The following page details down the features of the eLX-OCTAL Engine.

### SAMPLE eLX-OCTAL

Close

### ***Course and Content Management***

- Create courses and add text, multimedia and interactive content
- Maintain courses and add/edit attributes such as syllabus, lecture material, quizzes, exams, assignments, description, summary, table-of-contents, schedule, question bank, resources
- Content Archiving
- Digital Repository for learning content
- Content Reset and Restore
- Course Calendar for scheduling lessons, quizzes etc

### ***Content Delivery Tools***

- Deliver content through the Web-browser
- Deliver content through E-mail
- Support for delivering content to E-books, Palms, PDAs and Tablets
- Automated Testing and Scoring based on in-built rules
- Online Grading Tools for supporting grading of MCQ, short answer, mathematical and such questions.
- Instructor Helpdesk
- Student Tracking

### ***Testing and Evaluation Tools***

- Multiple Choice Type Tests
- Short Answer Type Tests
- Long Answer Type Tests
- Mathematical Type Tests
- Fill-in-the-Blanks Type Tests
- Match-the-Following Type Tests
- Multimedia-based Tests
- Auto-grading
- Instant Scorecards
- Dynamic Generation of Tests
- Performance-based Generation of Tests

### ***Personalized Teaching Resources***

- Embedded Messengers and Real-time Chat
- Announcements and News
- Newsletters
- Mailing Lists
- Discussion Forums
- Online Journal/Notes
- Groupwork Support
- Internal Email
- File Exchange
- SMS Updates

### **Website Integration**

- Integrate Enquiry to Website
- Integrate Course Listing to Website
- Integrate Curriculum to Website

### ***Security and Permissions***

- Add User
- Edit User
- View User
- Delete User
- Search User
- Create Access Groups
- Map Users to Access Groups
- Create User Logins
- Change Userlogins and Passwords

### ***EVENTS***

- Create Event
- Delete Event
- Edit Event
- View Event
- Publish Event
- Search Event
- Synchronize Events with Calendar

### ***Question Bank Module***

- Multiple Choice Type Tests
- Short Answer Type Tests
- Long Answer Type Tests
- Mathematical Type Tests
- Fill-in-the-Blanks Type Tests
- Match-the-Following Type Tests
- Multimedia-based Tests

### ***Discussion Forum***

- Create Forum
- Delete Forum
- Edit Forum
- Assign Forum Permissions
- Assign Users for Forum
- Search Forum
- Post
- Reply

### ***Announcements***

- Create Announcements
- Edit Announcements
- Delete Announcement
- View Announcement
- Search Announcement
- Broadcast Announcement
- Email Announcement
- SMS Announcements
- Announcement Reminders

### ***Profile Management***

- Student Work Space
- Parents Work Space
- Edit my Profile
- View My Profile

### ***Report Cards/Marks Card***

- Autoscores Presentation
- Manual Scores and Remarks
- Print Report Card
- Email Report Card
- Search Student
- Add Module Results
- View Results
- Online Student Results View Page
- Report Card
- Score Summary Sheet

### ***Feed Back Management***

- Create Feedback Questionnaire
- Circulate Feedback Questionnaire
- Send Feedback reminders
- Feedback Results
- Circulate Feedback Results
- Feedback Result Analysis

### ***Make Payments***

- View Payment History
- Make Payment
- Connect to Payment Gateway

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## Solutions

The eLX-OCTAL Learning Management Engine offers the following solutions for the following kinds of actors:

### **Students, Learners:**

Students assimilate the content through the eLX-OCTAL system. The student has the advantage of having the courseware tailored to suit his time requirements and needs. The student receives a unique user-id and password, personalized front page and guided access to the digital repository of content for the duration of subscription. The student is alerted through his front page, and also through emails and SMS, to his lesson schedule. He or she may choose to indulge into the system's Discussion Forum to share knowledge with his peers, or interact with his teachers in real time using the Embedded Messenger. The student receives tailor-made tutorials and performs online submission of homework.

### **Teachers, Evaluators:**

Teachers get to monitor the progress of each student individually and devote personal attention to the performance of specific ones. Teachers are provided with comprehensive progress and performance statistics to enable them to do the same. The teacher is also divested of a lot of burden involved in physical marking of test scripts etc owing to the automated nature of the same.

### **Course Administrators, Content Authors:**

Content Authors may create textual and audio-visual teaching material. Content presentation and administration is taken care of by eLX-OCTAL's Content Manager. eLX-OCTAL naturally eliminates the need for costly duplication of individual sets of materials for each student as all the material can be distributed in soft format over the World Wide Web. Authors also enjoy the advantage of constantly upgrading their material to keep it up-to-date with incurring high variable costs involved in reprinting and redistribution.

### **Managers, Parents:**

Parents are provided with frequent email based feedback and progress reports of the student's performance. Parents may also keep themselves well informed with the state-of-affairs of the student's education programme through online newsletters.

### **Systems' Administrators:**

SysAdmins are given the freedom to configure and change the portal/system as they please. SysAdmins are given an easy-to-use and easy-to-understand web-based interface for manipulating the Engine.

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## Services and Delivery Models

We offer clients the following services in order to help them e-enable their Learning needs.

1. The Product – The eLX-OCTAL Engine itself: which shall form the core of the Learning Management solution.
2. Customization: of the engine to set up a portal/system based on the specific requirements/needs of the particular client.
3. Instructional Design: Advising on how best to structure the study material in a digital form including how and why of including animation, interactivity and multimedia.
4. Content Conversion Services: Conversion of hard-material into digital format (text, animation, audio, video)

5. Hosting and Maintenance: of the portal, and the data if the client chooses to outsource the entire process.

Our delivery models are flexible, and we serve our clients through the ASP model, complete onsite deployment model, as well as a hybrid of the two.

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### The eLX-OCTAL Advantage

- Direct savings in terms of reduced program costs.
- Single training platform for a lot of courses
- Increased trainer productivity
- Greater flexibility in structuring of courses
- Lower training overheads
- More accurate and personalized delivery of knowledge
- Enhanced quality of Content
- Enhance the value of the Learning experience
- Blending traditional teaching approach with the newer online model
- Greater depth in performance statistics and analysis

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### About Us

**Innovate Technologies** specialize in providing advanced technology solutions for businesses. With a focus on more avant-garde technologies, we hope to provide our customers with the computing power that will help them be ahead of their competitors and succeed in the new century.

**AIsoft Technologies** was founded in 1989 with the objective of providing innovative solutions and technology services that deliver measurable results. AIsoft provides a seamless approach to business, technology, and professional services by combining in execution with continuous innovation to help clients effectively compete in knowledge Era.

*For a demo account, or a guided demo, to discuss further, or to place an order, please contact:*

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