Maharashtra Knowledge Corporation Ltd (MKCL)

MKCL is a high tech initiative of the Government of Maharashtra in design, development and delivery of eLearning, eGovernance and eEmpowerment technologies, solutions and services to millions of our customers.

MKCL's unfailing and undeterred quest for low cost, high quality IT education and IT enabled service to the masses has earned a wide acclaim and credibility nationally and internationally.

To achieve this quest, MKCL has designed, developed and successfully deployed state-of-the art software frameworks such as:

ERA - eLarning Revoultion for ALL
   Learning Content Management System
   Online Evaluation Framework
   Assignment Management System
   Content Design and Integration Framework

SOLAR - Web-based framework for 'Large-scale channel partner network management' (CPNM)
   Management and Administration of Admissions, Academic Delivery, Supply chain, Finance and Share
   Distribution, Examination for a large networks
   eInfrastructure Asset Monitoring Framework

DU and DC - Digital University and Digital College are the Higher Education Enterprise Frameworks to facilitate students, teachers and managers of Universities
   Information services
   Administrative/ Facilitation services
   eLearning services
   Participative/ Collaborative services
   Scholarship and fellowship opportunities
   Certification examinations etc.

OASIS - Online Application Solutions and Integrated Services
   Online Admissions
   Online recruitment
   Online Evaluation
   Instant eCertification

SETS - Secured eTendering System
   Web based end to end to automate the complete tendering cycle.

EASY - Employment Assistance Services to Youth

Maharashtra Knowledge Corporation Ltd.
Creating a Knowledge Lit World

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MKCL's
ERA
eLearning Revolution for All

elearning
revolution for all
enhance **excel** enlighten
assessment **collaboration**
content integration **discussion forum**

online chat online evaluation
assignment management **learning management**
course design and integration content packaging
content structuring and management
discussion forum content integration
personalized environment **collaboration**
interactive sessions **bookmark**
my notes planner

MKCL's **ERA -** eLearning Revolution for All

Knowledge society demands knowledge transmission across all sectors of society breaking the geographical barriers. It aims to facilitate the best quality education and intellectually satisfying learning experience to every learner. Integrated use of effective, affordable, and state-of-the-art eLearning Technologies is perhaps the most effective way to resolve the 'last mile' problem of quality and excellence in education. With a change in the focus from traditional teacher-centric teaching methodology to learner-centric approach, learners' demand for an enjoyable, value adding and personalized learning experience has become the driving force for technology development.

In this context, **Maharashtra Knowledge Corporation Limited** (MKCL), Maharashtra, India, a technology driven initiative to promote the learner autonomy centric new education paradigm has initiated this large scale eLearning experiment for enhanced learning. MKCL has designed, developed, integrated and successfully deployed state-of-the-art eLearning Technologies which is perhaps the most effective pathway towards Enhanced Learning.

Learning Management System

A comprehensive system to facilitate learners' needs in his/her pre-learning, during learning and post learning stage for an enjoyable, enhanced and personalized learning experience.

Key Features

Personalization
Authenticated personalized access to the content
Learner profile management with special features for left handers
Evaluation with performance monitoring

Learning experience
Self-paced
Interactive sessions
Practice sessions
Learning by doing

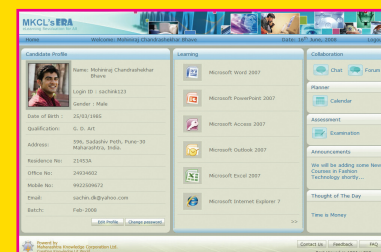**Tools for enhanced learning**
My notes, Bookmarks
Search, Glossary, Key words
Quiz and question banks
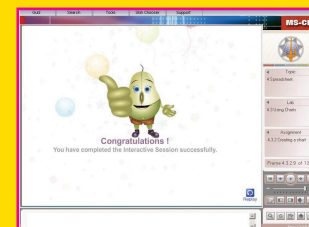
Standardization
Content packaging using international standards
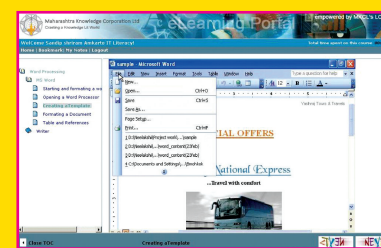Easy navigation, Personalized table of contents

Deployment
CD based
Local Area Network based
Web based

Personalized Inbox

Interactive Session

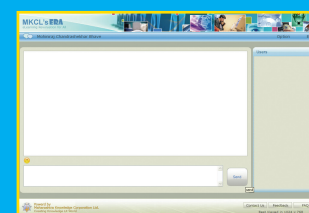Rich Multimedia Content

Collaborative Frameworks

Collaborative frameworks have been implemented to cater to the need of synchronous learning in addition to asynchronous mode and necessity of mass personalization.

Distributed classroom
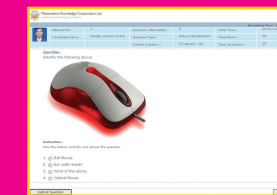**Video conferencing**
Online chat
Discussion forum

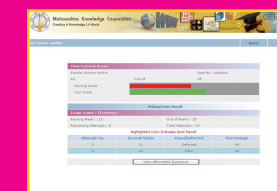Online Collaboration

Online Evaluation Framework (OEF)

Online evaluation framework has been designed and developed to test the knowledge, comprehension, application, analysis, and synthesis capabilities of a learner through innovative question types and offer him/her an enjoyable learning experience.

Key Features

Innovative question types
Multiple Choice, Single Correct, Multiple Choice Multiple Correct,
Comprehension, Picture Identification, Match the pair,
Two Stage Reasoning, Fill in the blanks, Jigsaw, Crossword
Test Administration
Paper setting
Question repository management compliant to international standards
Learning administration
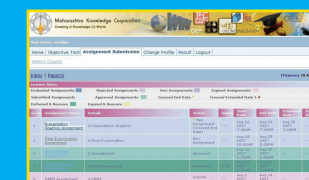Work flow management and configurability

Multiple Question Type

Performance Monitoring

Assignment Management System (AMS)

This is a collaborative framework, a component of Web Based LMS that facilitates online assignment management of learners offering authenticated personal interfaces for learners, faculties, assistant faculties, evaluators, and administrators.

Key Features

Online assignment management
Support for various file types of assignments and freedom of configurability
Role specific interfaces
Online work distribution, automated workflow and tracking
Personalized inbox for the learners providing access to assignments,
submission information, reference material, corrective feedback from assistant
faculty and grading
Result processing with reports and analysis

Personalized Feedback

Course Design and Integration Framework (CDIF)

A collaborative web based platform for authors, researchers, graphics and multimedia developers, instructional designers, quality assessors and course administrators to actively participate in collaborative eContent creation process.

Key Features

Course Design
Designing platform for the course to be delivered online, or on a CD or on a LAN
Content structuring and management
Four tier hierarchical structure compliant to international standards
Reusable Learning Objects (RLO) tagged with metadata
Content Integration
Support for multimedia content comprising of text, animation, graphics, audio, video.
Online collaboration for various steps involved in content creation
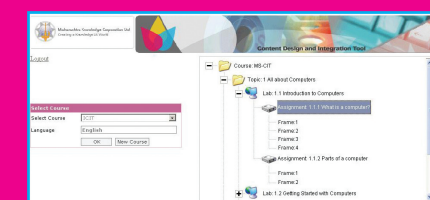
Content Packaging
Wizard driven content packaging and rendering using Learning
Management System
Export to SCORM packages
Configurable features, menus

Content delivery
Content presented on a CD, LAN or web based mode
Online content preview for quality assessment and automated reports

CDIF Home Page

Content Structuring