



# Igniting minds through e-Learning



## EXECUTIVE SUMMARY

eSikshak, a multilingual e-Learning framework developed by C-DAC Hyderabad is built on component based architecture. Currently, the framework is being used by many Indian as well as International academic/training institutes apart from C-DAC. The tool has been evolved into next generation e-Learning framework with latest updations. C-DAC is keen to provide eSikshak tool to the interested organizations with an attractive business package.

## eSikshak - A MULTILINGUAL E-LEARNING FRAMEWORK (Release 2.0)

In the contemporary world of fast changing Technologies, learning is considered to be a life long exercise. Today, the world needs a flexible and effective medium for learning, which provides facility to the learner to learn any where, any time with his/her own pace. The rapid evolution of Internet and Web Technologies has provided a medium for the information interchange as well as a seamless interaction and collaboration among users.



## Following are the features supported by eSikshak Software:

### User Registration

- :: Online registration
- :: Updating user profile
- :: Necessary user reports for instructor and learner



- :: True or False questions
- :: Assignments
- :: Student performance reports



### Collaboration

Collaboration facilitates interaction among the Instructor, Student through White board, Bulletin board, Chat, e-Mail.

### Course Organizer

- :: Add, Update and Delete courses
- :: Time bound access to the online courses
- :: Course Reports
- :: Course Offering with SCORM support

### Online Assessment with QTI conformance

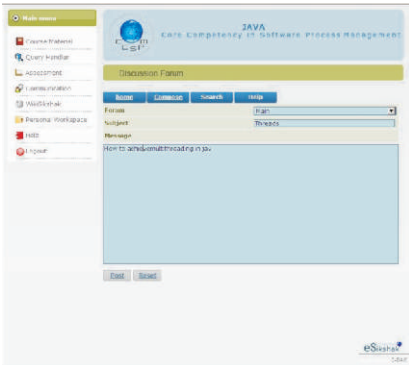
- :: Question bank creation
- :: Multiple-choice single answers
- :: Multiple-choice multiple answers

### Whiteboard

- :: Synchronous communication between student and instructor
- :: Graphical interface to simulate real world chalkboard
- :: Facilitates drawings with color, drawing tools like rectangle etc
- :: Text with desired color font etc
- :: Shared discussion area between student and instructor
- :: Integrated chat facility with the instructor during whiteboard session

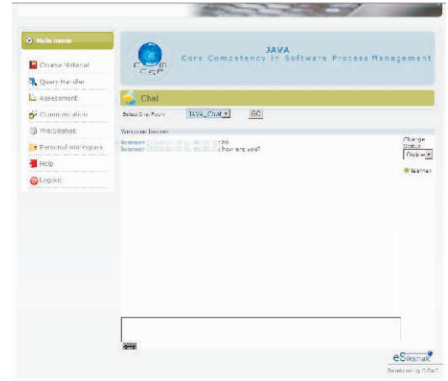
## Bulletin board

- :: Creates forums for subject discussions
- :: Thread based discussions
- :: Search



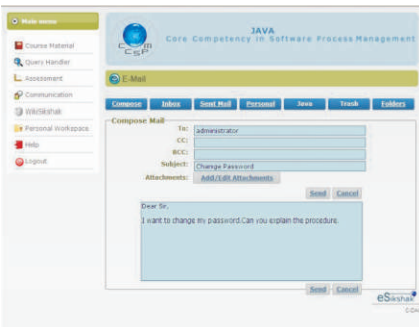
## Chat

- :: Real-time communication between the instructor and learner
- :: Public chat between student and instructor
- :: Blocking/unblocking of chat users by instructor



## e-Mail

- :: Asynchronous communication tool
- :: Facilitates offline interaction with instructor or among the student community
- :: Attachment facility



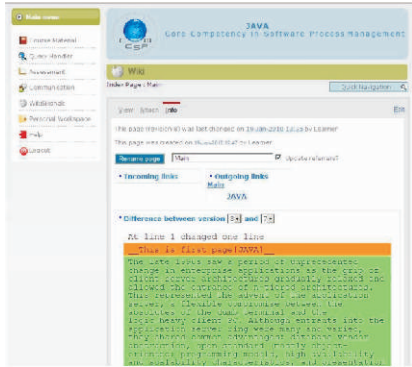
## Personal Space

- :: Blogs
- :: User Profile
- :: RSS Subscription



## Wiki Sikshak

:: Collaborative content development through Wiki



## Mobile Features

:: Web album with image, text, audio, video sharing



## Indian Language Interface support

- :: Unicode standard based Indian Language support
- :: Indian language support in Telugu, Tamil and Hindi
- :: Minimum effort to add new languages without modifications in the application



## Salient Features of e-Sikshak

- :: Browser independent
- :: Java Based solution
- :: Portable on MySQL and Oracle
- :: Low cost solution
- :: Unicode based Multilingual solution
- :: Easy to use
- :: Free from installation hassles
- :: Indian Language support in Telugu, Hindi, Tamil
- :: Customizable Graphical User Interface

Program by:



## Tips on Information Security

- Don't open e-mails received from unknown source
- Change Passwords regularly

For more details log on to: [www.infosecawareness.in](http://www.infosecawareness.in)



## प्रगत संगणन विकास केन्द्र

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

संचार एवं सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक संस्था, भारत सरकार

A Scientific Society of the Ministry of Communications and Information Technology, Government of India

JNT University Hyderabad Campus, Kukatpally, Hyderabad - 500 085.

Tel: 040-2315 0115. Fax: 040-2315 0117. E-mail: [elearn@cdac.in](mailto:elearn@cdac.in)

Website: [www.cdachyd.in/products/e-sikshak](http://www.cdachyd.in/products/e-sikshak)