WebCourses

Course Management & Education Support

The WebCourses Platform

- The WebCourses is a multimedia information system for managing courses, supporting educational activities and learning communities

- The WebCourses Platform offers a set of services for:

  - the organization and management of digital educational content (Lectures, notes, exercises, technical lab material, FAQs etc.)
  - informing learners (Announcements, Calendar, literature, personal rating etc)
  - learning communities (Mailing lists, live chat rooms, forums, personal messaging, instant messaging, annotation tools)
  - Supporting educational activities (Registration to courses, formation of lab teams, exercise uploads and deadline management, assessment tests)
  - Monitoring services (Course usage statistics, class performance indicators)

WebCourses Statistics

Hits	7553372
Logins	466150
Registered Users	1246
Courses	185
Downloads	420541
Uploads	8415
Personal Messages	15461
Forum Messages	6542
Mail Messages	350630

System Features

- **User Interfaces**
  - Web access, personalized views, AJAX techniques
- **Document Processing Engine**
  - The engine is able to process documents (educational content: lectures, notes, lab presentations etc.) compatible with:
    Microsoft Powerpoint 97-2003 (.ppt), Adobe PDF 1.4 (.pdf), MicroSoft Word 97-2003 (.doc), OpenOffice 2.x Writer (.odt), OpenOffice 2.x Impress (.odp).
  - The document processing engine is utilized by the presentation and searching services of the WebCourses platform.
- **Course Services**
  - A large set of course services is available for the instructors. These services include digital content management, content presentation, electronic educational activities and course communication services
- **Security**
- **Interoperability**

Course Services

- ☐ Announcements
- ☐ Calendar
- ☐ Course Mailing List
- ☐ Lectures Management
- ☐ Notes
- ☐ Useful Documents
- ☐ Document Presentation
- ☐ Annotations
- ☐ Course Lab/Team Work
- ☐ Exercise Upload
- ☐ Forums
- ☐ Chat rooms
- ☐ Course/Lab FAQs
- ☐ Grades (management, presentation)
- ☐ Content search tool
- ☐ Literature and Links
- ☐ Assessment Tests
- ☐ Course Statistics
- ☐ Video Conference Rooms
- ☐ Multimedia presentations (live/recorded)
- ☐ SCORM export

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Technical Info

- The WebCourses is developed for the Java Enterprise Edition (Java EE) platform and is supported by the MySQL Database Server 5.0

- Implementation Technologies
  - Java EE SDK
  - JDBC 3.0
  - Apache Commons
  - Apache Axis 2
  - JavaMail 1.4.1
  - OpenOffice 2.3
  - Jacarta POI 3.1
  - JPedal 3.6
  - JODConverter 2.2.0
  - JFreeChart 1.0
  - DWR 2.0
  - XMLBeans 2.4
  - SCORM 2004
  - Flex 3
  - Red 5 Server

For more info

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