SenzIT™

Sensing
Future IT

cyberclaz™

Building smarter GEN.

cyberclaz
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Keep logged in

Log in

ClazPortal

ClazPortal is an e-learning portal and makes the world of learning, completely online. Catering to the learning demands of an individual right from early school years to higher and professional education, ClazPortal offers wholesome, and comprehensive courses to the various age groups and learning segments.

ClazPortal craft a common gateway to the data and services that the people throughout the university need to effectively share information and work together on projects. ClazPortal give students easy ways to connect with their professors and their peers to get them more engaged in their classes. Facilitate anytime, anywhere learning. Provide students with single sign-on access to learning materials and campus resources, from library content to complete online courses, at any time, from virtually anywhere, and from any type of connected device. ClazPortal creates a virtual campus that never closes.

Features

Make better decisions. Inform routine decisions and long-range strategic planning across all business functions and disciplines with accurate, readily available data presented in intuitive and familiar formats.

Let faculty focus on research and instruction. Make it easier for your faculty to find instructional resources; assess students; record and track grades; and communicate with their colleagues and students, and they will have more time and energy to focus on important research and facilitate meaningful learning experiences that meet the unique needs of individual students.

Streamline administrative tasks. Make it easy for students to register for classes, access financial aid information, pay their tuition, sign-up for lunch programs, report absences, and more from any computer.

Connect with community. Make it easy for students to register for classes, access financial aid information, pay their tuition, sign-up for lunch programs, report absences, and more from any computer.

Education Section of ClazPortal includes:

Video on Demand.

Authorized users can login into their dash board and access the session files through simple search or advanced Search Live Streaming: Both teacher and student can access live feeds of current class sessions.

Notice Board:

ClazPortal introduces the concept of virtual notice board where teacher adds notifications

Event Management

Both teacher and student can view the upcoming events but only the teacher can manage the events

Class Scheduling

Teacher and Students tcan view and follow the schedule created by the Admin.

Leave Request Form:

Students can use this option to send leave requests to teachers via dashboard

Online Discussion Boards (Forums):

Students and teachers can discuss various topics online on discussion boards or forum.

Online Progress Report

Students' Academic Progress Reports can be accessed using Online Progress Report which is managed by the concerned teachers. Authorized students and parents can view the academic reports online through the Portal.

Resource Upload/Download:

students can download various educational resources like study materials, syllabus, previous year questions, presentations and session videos as required.

Multimedia Library

This option is only available for teachers. Once the teacher selects this option from his dashboard the page will be re-directed to the media library page where list of previously uploaded files will be shown.

Online Test:

Online Questions of various subjects are uploaded in the database for students to test their subject knowledge by solving the online test.

ClazRecorder

ClazRecorder, this feature enables the teacher to record each class session, digital attendance taking, notes (pdf, ppts, images etc.) sharing, doubt clearance etc. The ClazRecorder facilitates multi-channel recording. The ClazRecorder is provided with three cameras feeds. One is for teacher, another stream for presentation/blackboard. Teacher has ability to switch between the presentation feed and blackboard. Each classroom will be provided with one wireless Lavaliar / Tie clip microphone for the teacher, one audio feed from the presentation shared and multiple microphones for the students which are muxed together to a single audio channel.

The recorded audio video streams are provided to Media Streamer, a hardware device to interface camera and microphone to CyberClaz system. Live previews of the video streams are relayed for viewing by the client application. The general log is another important feature provided by ClazRecorder, which keeps the whole log of that happens during a complete recording session, along with the timestamp. If a teacher wants to take some reminders about the class, the application provides a facility for adding reminders, which is private to that teacher.

Features

- Teachers can take attendance.
- Recording starts automatically when a schedule is selected
- The Recoding control is provided to the teachers via mobile devices.
- Multi-channel recording.
- Teacher has provision to lock all other applications on students' side and change to "Attention Please" Mode.
- Continuous preview monitoring.
- White board can be shared on live.
- Teacher can access student's screen remotely and guide the student with doubts.

- Audio video synchronization along with ClazNotes.
- Can share attachments easily.
- Raise hand notification.
- With press and hold, screenshots of the presentation area can be snapped and annotated for share
- For full screen view, a list of available feeds is displayed for selecting the feed to be brought to full screen.
- Teacher can control whether to stream their video recording or not.
- Pick a question or to queue it up.
- Teacher can write their own notes as reminders.
- Users can upload files and share attachments by instant capture.
- Student has the option to control whether to disclose his/her identity while using Raise hand option.
- Users can annotate a specific key area of a shared file or attachment.
- Status of camera feeds (whether it is all set to be streamed) is ensured before recording starts.
- Students get an automatic feedback request at the end of a session which can be responded or cancelled by the student.

ClazPlayer

For replaying the recorded digital media content, we need an application; ClazPlayer is such an application that will help the users to playback the recorded/live session. ClazPlayer can be downloaded from Google Playstore, Appstore, windows market place etc. Users will be able to search in the console for retrieval of recorded audio, video, saved attachments, list of attendance, questions raised etc. of the particular class. ClazPlayer will be provided with two-channel audio and two channel video feeds with individual volume control and master video control.

Students and lecturers will be able to view live broadcasting of recording session, once the recording is initiated and student is logged in then he/she will be automatically connected to the recording system and the students can view live session as well as video on demand.

Based on search information, application server retrieves the recorded data along with textual information from the FTP and database server. Authorized users can view the stored/recorded data. Main advantage is that the students will be able to view questions and answers raised.

Features

- Search option of recorded session by giving date.
- Advanced search is available by giving any of date, teacher, subject, and topic.
- User will be able to play a video from archive as well as a live session on full screen mode with audio video controls.
- Audio from all the channels can be selectively muted/un-muted when a video is enlarged.
- Students can create ClazNotes while recording/live streaming of the session.
- ClazNotes will be synchronized with the audio-video streams.
- Seek Slider for seeking during playback.
- User will be able to AskDoubt while viewing a recorded session.

- Remote user can use RaiseHand option for asking doubts while a live session is in progress.
- GeneralLog will be a helpful tool to the users for understanding the whole session details.
- For full screen view, a list of available feeds is displayed for selecting the feed to be brought to full screen.

ClazStore

This component consists of storage area which can be of IBM DB2/ Oracle / SQL Server Database as per client requirement. It stores and retrieves CyberClaz textual information as requested by the application server. Also it stores the URL of FTP folder location where the media files and other attachments are stored. It also aims at managing multi-workloads from large number of concurrent users.

Features

- Efficient data management capabilities
- High availability and disaster recovery functions
- Data retrieval at a faster rate
- Ensures Data Integrity
- Efficiency enhancements, autonomic tasks and security features
- Store, manage, and analyze spatial data in DB2 on distributed systems.
- Reliability, availability, and scalability
- Optimized data warehousing

ClazCloud

ClazCloud offers all the benefits of cloud-enabled computing, storage and content delivery. SoftLayer's CloudLayer has been preferred which is a specially developed technology to provide security, performance and reliability. They offer fully integrated environments, so the dedicated servers, virtual servers and CloudLayer systems become unified computer environments. Dedicated server can be customized based on the specifications needed. Everything from the server itself to the RAM, uplink port speeds, public bandwidth and number of IP addresses can be selected individually.

Features

- Integration between dedicated, virtual servers and cloud computing is unique.
- SoftLayer's Impressive specifications with 21 nodes around the globe ensure optimum performance.
- Cloud servers can provide fast responsiveness and can work offline.
- Under the user's constant control they need not always consume storage space on the user's computer or communications device.
- They can be easily updated online.
- With fast Internet connection, cloud-based servers offer all the interactivity of a desktop server along with portability.
- The user can cache data locally, enabling full offline mode when desired.
- They can be used on board an aircraft or in any other sensitive situation where wireless devices are not allowed.

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