ULearn for Academic
(www.ulearning.asia)
User Guide
Easier to Teach   Easier to Learn

ULearning Technology (International) Pte. Ltd.
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I. Introduction

In this era, Internet technology is developing rapidly, and disruptive technologies such as mobile, big data, and cloud computing are rapidly driving profound changes in teaching concepts, teaching methods, learning environments, and teacher and student behavior models worldwide.

Blended teaching combines the advantages of traditional learning methods and the advantages of Internet-based learning, and integrates classroom teaching and information technology to organically combine the teaching process "offline" (face-to-face teaching) and "online" (online teaching). In order to break through the limitations of the traditional education model and establish a student-centered education system, teachers can pay attention to each student, and adopt unique learning approaches, learning methods, and learning strategies to achieve personalization according to the characteristics and needs of different students.

ULearn for Academic (www.ulearning.asia) platform can fully support educational institutes in carrying out blended teaching reform practice. Based on ULearn for Academic platform, on the one hand, the collaborative authoring, editing and sharing of resources between educational institutes can help reduce the increasing cost of the traditional education system of institutes; on the other hand, teachers can use roll-calls and instant poll tools for quick questions, quick answers, and assignments to organize teaching activities. Students can also learn anytime and anywhere.

II. Product introduction

"ULearn for Academic" (www.ulearning.asia) is an intelligent teaching and learning management platform for online and blended learning and teaching provided by ULearning Technology (International) Pte. Ltd. (ULearning International). ULearn for Academic platform absorbs the characteristics of modularization, openness, and cloud services of mainstream foreign MOOCs platforms, and combines the specific needs in the course of subject teaching, with functions covering the core areas of teaching such as "teaching, learning, management, examination, evaluation, and research",...
reflecting the advanced concept of digital transformation of education.

ULearn for Academic platform takes the innovative "in-class + extra-curricular", "on-line + off-line" and other blended teaching modes as the concept, and based on rich content resources, through convenient visual editing tools and powerful teaching management functions, helping institutes to solve problems such as “difficult course construction, less classroom interaction, and difficult learning quality monitoring”, change the traditional classroom teaching mode, create effective content resources, and fully display and use learning resources to improve teachers' teaching design ability, monitoring quality of teaching quality and students' learning effect are good helpers of digital teaching reform in colleges.

ULearn for Academic platform adopts "software as a service" SaaS cloud deployment, which is oriented to three roles of teachers, students, and administrators. It supports institutions to configure personalized teaching portals, create and publish digital courses, organize and manage multiple teaching activities, and teaching management and evaluation, mobile teaching, etc., provide a full range of teaching support and services for institutions, and its functional framework is as follows:

III. Product Benefits
For educational institutes:

- Create effective content resources and provide help for teaching reform.
• Institute does not need to equip students with additional network classrooms, computer rooms and other facilities, which reduces the pressure on teaching space and reduces teaching costs.

• Construct a scientific and efficient evaluation system to solve the problems of teaching evaluation and teacher workload evaluation.

• Provide basic environment support for the implementation of flipped classroom and blended teaching in educational institutes, which is helpful to help institutes implement various teaching modes and improve the institute's teaching efficiency and teaching quality.

For teachers:

• You can follow up the students' learning situation anytime, anywhere, and adjust the teaching progress and teaching methods in time.

• A lot of work such as marking homework/assignments, reviewing test papers, and statistics can be done automatically by the system, which greatly reduces the workload of teachers.

• A series of convenient interaction classroom tools can effectively improve classroom utilization and enhance classroom interaction.

• Providing teaching statistics such as student learning behaviors and academic performance can support teachers in conducting research on teaching effects.

For students:

• You can study anytime, anywhere, and get more timely and accurate information, without being limited by time and space.

• It can enhance the interaction between teachers and students, and realize the transition from passive learning to active learning.

• You can set your own pace to truly personalize and learn on demand.
IV. Product Features

4.1 Supports multiple terminal platforms, making teaching and learning more convenient

Supports various terminal platforms such as PC, mobile phone, iPad, etc., which can truly realize learning anywhere, anytime, and a series of online teaching and classroom interactive tools make teaching more convenient and faster.

4.2 Visual Editing Tool for Easy Course Construction

ULearn for Academic platform provides a dedicated visual course editing tool that teachers can use to quickly create and publish their own online open courses. Teachers can also continuously update the course content during the teaching process based on student learning data.

4.3 Class live broadcast and real-time interaction without geographical restrictions

ULearn for Academic platform has the function of classroom live broadcast. Teachers can conduct live teaching through courseware, video and screen sharing. Students can watch live content in multiple times, anytime, anywhere, and review at any time, breaking the time and space constraints of learning.

4.4 Quantitative Evaluation, Big Data Supports Learning Analysis

ULearn for Academic platform helps institute to establish a database on the basic status of curriculum teaching. The platform has the functions of learning behavior, teaching behavior data tracking and intelligent teaching reminders, and can automatically correct assignments and exams, providing effective tools and data support for teachers' personalized teaching.

4.5 Smart campus integration

Based on the cloud all-in-one equipment by Huawei, it provides private teaching cloud systems for educational institutes, which are deployed in its own data centers to
meet the needs of campus virtualization and regional education cloud platform construction. At the same time, ULearn for Academic can achieve unified authentication and login with campus portals, teaching affairs, scientific research and other systems, connect teaching data, and integrate into the smart campus system perfectly.

V Product Application

5.1 Application mode

Based on the ULearn for Academic platform, teachers can adopt a variety of teaching modes such as autonomous learning and blended learning to carry out curriculum teaching.

5.1.1 Autonomous learning

The ULearn for Academic platform can fully support teachers "leading", "participating" teachers, and students' autonomous learning models with complete autonomy.

(1) Teacher-led autonomous learning. Before students start autonomous learning, teachers can use the platform to upload teaching resources, arrange learning tasks, and set up learning plans. Students can log in to the platform to view the learning tasks assigned by the teacher and carry out autonomous learning. The platform supports comprehensive teaching evaluation based on multiple indicators. After the course is over, teachers can arrange online exams, detect student learning results, and set course performance strategies based on the indicators provided by the platform. The system will automatically aggregate and calculate student final results.

(2) Teachers participate in autonomous learning. Teachers can push suitable teaching resources and teaching materials according to the different needs of students. During the learning process, students can take notes and record questions at any time. Teachers can answer students' questions through the interactive discussion area and have in-depth communication and interaction with students.

(3) Fully autonomous learning. Traditional autonomous learning usually adopts a
linear learning model. All students follow the same learning steps to learn the same content, which cannot meet the individual learning needs of students. The ULearn for Academic can provide students with an independent training system, which can solve the problem of providing students with a personalized learning path.

5.1.2 Blended learning

ULearn for Academic platform provides a complete implementation path for the implementation of blended learning for teachers and students. The implementation path is as follows:

- A blended learning model based on ULearn for Academic

  Before class, teachers can use the open curriculum framework of the ULearn for Academic platform to upload learning resources to the platform and arrange learning plans. Students can download course resources online, study courses, and participate in topic discussions. In the process, teachers can use the computer or mobile phone to follow up the student's learning progress and grades at any time.

  In the classroom, teachers can design different classroom tasks according to the characteristics of the subject, and arrange students to display and share the results in individual or group units at the end of the classroom.

  After class, teachers can use the ULearn for Academic platform to arrange homework and quizzes for students, organize students to conduct online discussions, and help students consolidate the results of intensive knowledge learning.

5.2 Deployment Mode

ULearn for Academic deployment adopts a centralized deployment model based on the Internet to provide "cloud learning" services. Through the mechanism of secondary virtual sites, it supports multi-layered, hierarchical management systems and data isolation mechanisms, and supports application schools to set their own independence. Second-level domain names, manage their own teachers, students, classes and teaching process data.

Educational institutes do not need any hardware server, network equipment, and
system software investment, just need to solve the online classroom of centralized computer classes and ensure that the classroom can access the Internet. Colleges can also make full use of the mobile Internet environment to promote mobile learning models.

Different from the traditional teaching software installed on the campus network, the Internet deployment model adopted by the ULearn for Academic has the following advantages:

- Ubiquitous learning environment support, students can access any place with Internet access, regardless of the school or designated computer room;
- Accumulate data. The accumulation of big data is only possible in the cloud deployment mode;
- Make full use of server resources, schools do not need to invest in equipment and maintenance resources, which is in line with the current mainstream "cloud computing" trend;
- You can enjoy timely customer service and feedback, the server platform functions are updated in a timely manner, and the application effects and experience summaries of various institutions can be shared and communicated as soon as possible;
- Cloud resources, a large number of question banks, teaching resource banks are updated at any time.

VII About Us

ULearning Technology (International) Pte. Ltd. provides cutting-edge AI + SaaS learning management platform solutions for educational institutes, training institutes, vertical industry associations, corporations & publishers.

Our proprietary ULearn series of platform solutions have been used by 1000+ educational institutes, corporations, vertical industries and publishers covering 10+ millions of learners and teachers.

Our company and products comply with international standards including ISO 27001, ISO 9001, SCORM, xAPI.
Appendix: ULearn for Academic Platform Functions

1 Teaching Portal

The teaching portal can display the institute’s courses, resources, announcements, etc., reflecting the teaching characteristics of the college. The platform provides multiple sets of portal website templates, supporting custom menus, page layouts, background images, LOGOs, and friendly links. College administrators can choose the appropriate template according to the needs of the school and personalize the independent second-level domain name for the teaching portal.

2 Professional Course Development

Discipline and specialty course development is one of the core tasks of talent training in educational institutes. ULearn for Academic provides a specialized professional course management system to support institutions to build their own professional directories and course directories. At the same time, a professional course portal is provided as a window to display professional information and course information of the institutes.

Professional course development support is managed by the departments of the institute using hierarchical levels. The school administrator establishes the professional directory and course directory, and designates the department heads and course leaders to maintain relevant professional and course information.

3 Course Development

In the years of information and digital teaching reform, institute has accumulated many courses and materials, resources, and question banks, many of which have not been effectively used. ULearn for Academic platform provides a visualize course creating tool, U-Author, that supports teachers to use existing audio and video, PPT, test questions and other materials to quickly create and publish online open courses that support multiple terminal access. This will not only improve the utilization of teaching resources, but also enable the co-construction and sharing of teaching resources.
U-Author course creating tool supports collaborative team authoring, editing, and course creators can designate multiple teachers to participate in course editing. Use the course editing tool to make courses. After authoring/editing, you can release multiple versions of PC, Android, iOS, etc. U-Author also supports publishing courses in stages. Teachers can publish some chapters for students to learn before continuing to edit and update other chapters. In the teaching process, teachers can also continuously optimize the content of the course based on the learning feedback of the students.

4 Course portal

ULearn for Academic platform provides multiple sets of course templates, and at the same time, personalized course portals can be generated based on the templates selected by teachers. The course portal is mainly used to display the basic information of the course, so that students can quickly understand the course content and become interested in the course.

5 Course teaching

In the traditional classroom teaching mode, in the daily teaching activities, there is a lack of interaction between teachers and students, students, teachers and students, and educational resources, and it is difficult for teachers to mobilize students' learning autonomy and initiative. ULearn for Academic platform provides a comprehensive, blended teaching cloud service for educational institutes, and provides rich opportunities for interaction between teachers and students. Teachers can organize different types of online teaching activities on ULearn for Academic platform to truly improve students' learning interest and enthusiasm.

(1) Teaching plan

For the same course, teachers can set different teaching plans for different classes according to the level of students in each class, such as controlling the hide/show of course units, adjusting the order of units, or adding extended teaching resources.
(2) Progress score

Teachers can check the progress of students in real time and the overall completion of students in this class.

(3) Live Class

Teachers can create real-time live classrooms, organize online Q & A or remote teaching, and support 1,000 people online at the same time. During the live broadcast, text, video, and voice can be interacted in real time. Teachers can share courseware documents and videos to students and share their screens for real-time explanation. The live classroom supports students to look back at recordings and broadcasts, and provides statistical details of students' participation in live broadcasts to assist teachers in formative evaluation of students.

(4) Assignment

Teachers can arrange online assignments to test student learning effects. The platform provides a variety of assignments such as test questions, writing, uploading, speaking, programming, and group assignments. Assignments can be automatically graded by the system, graded by teachers, or students can be peer-reviewed, which can stimulate student participation and reduce teachers the burden of marking assignments/homework. In addition to the automatic grading of objective questions, the platform also supports automatic evaluation of English writing assignments and automatic grading of oral English assignments, helping students to practice repeatedly and improve their writing and speaking skills.

(5) Discussion Forum

ULearn for Academic platform provides a discussion forum, course forum and class forum, which can fully support the interaction between teachers and students. Teachers can start topics in the discussion area and organize students to discuss online. Students can earn points through replies, likes, etc. Teachers and students can also discuss and exchange course content in the course forum.

(6) Resources

The resource module supports teachers to create excellent resources by uploading
local files or editing graphic content online. Teachers can share resources with other teachers within the department/school or across other departments/schools to fully realize the mutually beneficial sharing of high-quality resources; they can also distribute resources to students as after-school development materials to check the number of times students watch and download in real time.

6 Mobile Teaching
With the increasing popularity of BYOD, college teachers can organize students to use ULearn for Academic APP on their mobile phones to carry out autonomous learning anytime and anywhere, effectively solving the problems of insufficient network room and lack of teachers. In the classroom, teachers can also use tools on mobile APP to organize rich classroom teaching activities and conduct instant classroom evaluations.

(1) Course study
Students can use mobile phones or tablets to access teaching resources anytime, anywhere. The course contains a wealth of rich media resources, such as audio, video, pictures, etc. It also provides a large number of exercises. The exercise types include multiple choice, multiple choice, fill in the blank, judgment, short answer and comprehensive questions.

(2) Process monitoring
The monitoring of the teaching process is the key pain point faced by teachers during daily teaching work. Teachers can follow the student's learning progress through fragmented time, understand the student's academic performance, and adjust teaching progress and teaching methods in a timely manner. Teachers can also send a message reminder to students who have not taken the course in time.

(3) Class activities
Teachers can use the classroom interaction tools provided by ULearn for Academic APP to organize interactions with students. Class activities include roll call, instant poll, quiz, live broadcast and assignment.

Roll-call took can help teachers achieve automatic roll-calls in just one or two minutes, greatly saving class time; instant poll function supports teachers to organize
the evaluation of classroom group activities in real time; teachers can use the Q & A function to ask questions in the classroom and support gives marks to students to improve students 'participation in the classroom; multiple types of assignments such as speaking, writing, uploading, and group assignments can also be arranged to detect students' learning. Assignments can be completed automatically by the system or by teachers. For assignments that need to be reviewed by teachers, teachers can use mobile apps to complete marking anytime, anywhere, and provide timely feedback on student assignments.

(4) Interactive communication

In the classroom, teachers and students have limited time for interactive communication. The group chat, messaging and other functions provided by the ULearn for Academic App allow teachers and students to interact online anytime and anywhere, so that teachers can answer questions raised by students in a timely manner.

7 Online Exam

ULearn for Academic supports institutes to organize concurrent, large-scale online exams. U-Test System supports general subject types and English subject question types, and provides a variety of cheating prevention strategies such as random test papers, A / B papers, and shuffled test questions. In addition to conventional objective questions, the system supports fully intelligent automatic review and grading of subjective questions such as spoken English and English writing. Exam results can be queried and exported in real time, greatly reducing the workload of teachers in publishing and reviewing test papers.

8 Teaching Evaluation

ULearn for Academic platform provides big data collection and analysis services, and provides a variety of teaching evaluation indicators for colleges and universities, including course learning time, learning progress, learning results, homework grades, test scores, discussion topic points, and attendance. Institutions and teachers can set performance strategies and set different weights for evaluation indicators. The system
can automatically summarize and calculate the final results of students, helping institutions to achieve a comprehensive evaluation method combining formative evaluation and final evaluation.

9 Teaching Management

Teaching management is an important task for institute administrators. Usually institutes need to evaluate teachers and students. However, it is difficult to quantify the workload of teachers and students' learning processes. ULearn for Academic platform can provide hierarchical teaching management mechanisms, support institutes to manage departments/schools, users, classes, grades, etc., and can track and export teaching behaviors, learning behaviors and learning processes in time to achieve teaching quality being regularly monitored to promote quantitative assessment of teaching.

(1) Department management

The administrator can import the template or create the department structure of the department according to the template, so as to manage the teachers, students and classes according to the department and specialty.

(2) Class management

Teachers can create classes and invite students to join the class through the class code to manage students. Teachers can also invite students to the class in batches, modify class settings, view the list of students in the class, student profiles, online status, and learning files. The study file contains statistics on all student activities, including courses, assignments, discussions, exams, and more.

(3) User management

Institute administrators can create department administrator roles and assign corresponding functional permissions to each role. They can also import teachers and students in batches, and view and modify personal information of teachers or students.

(4) Performance management

Administrators can export student grades by class at any time. Support custom export items and sorting methods. Optional export items include student personal
information (student number, name, class, etc.), unit grade, study time, etc.

(5) Statistics

The administrator can view the teaching statistics of teachers and students by time range, department, class, including:

- Online statistics, that is, the number of students online at each time of day.
- Learning progress statistics. Including the statistics of the learning progress of each unit of each department, class.
- Teacher behavior statistics. Including the number of logins, the number of assigned / reviewed assignments, the number of scheduled exams / reviewed papers, the number of uploaded resources, and the number of posts / replies.
- Student behavior statistics. Including login times, homework submissions, exams, forum postings, etc.

10 Services

1. Technical support service: Provide answers through email and Skype for unlimited times.
2. Error repair service: Analyze and repair errors during system run process; analyze, repair or provide other measures to avoid errors due to the system design or that were not encountered during earlier operation process.
3. Emergency failure response service: Respond to sudden failures that affect the normal use of the system and propose solutions.
4. Training service: Upon the request of the users, we provide fee-based training such as digital transformation of teaching and course creation.

For service support or enquiry, please email/Skype: christinasg@ulearning.cn. Please allow one (1) working day to reply your enquiry/question.