

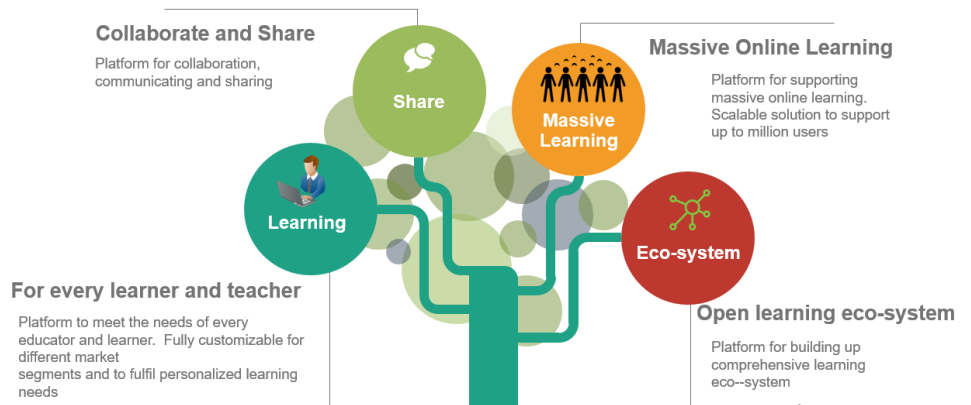
# BambooCloud H-ED Online Management System

**A platform to reshape the future learning**

With the development of technology, the online learning platform of universities and colleges encounters more and more challenges. It is much more important that universities need to establish an open large-scale online training platform and improve the learning and teaching method. With the latest technology, BambooCloud encourages teachers to create high quality online courses and design a more effective teaching method, and make students achieve personalized learning and corporate learning.

## Design Concept

### Open, flexible and stable online management system



Based on the R&D philosophy of “Platform + Technology + Service”, Bamboo System Technology use the latest technology to develop the platform and its relevant functions, and provide one-stop solution service for customers. Moreover, Bamboo System Technology aims to create a more engaging learning experience through improving learning, teaching and management efficiency. With BambooCloud, students can easily communicate with other students and teachers; teachers can design blended teaching method and easily track the student learning progress; universities can establish a better environment for students to improve their professional skills and track the teaching efficiency of different teachers. BambooCloud H-ED is the latest online learning management system in the world which includes various functions including course creation and management, course learning, exam and assessment, data analysis, user management and etc.

## Design Objective

### Student

- Easy to use for self-direct learning
- To fulfil personalised learning needs
- Stimulate interest of student in learning
- Self evaluation
- An effective platform for learning and sharing

### Teacher

- More effective, targeted, and individualised teaching
- Easy to create high quality courseware and share the materials with others
- Comprehensive knowledge system construction
- Enrich teaching methods including blended and flipped classroom
- Easy to manage, teach based on student performance

### Administrator

- Providing decision-making guideline based on data management
- Data visualisation, more transparent management
- Open education cooperation platform
- Unified teaching resource management

## Modules



## Main Functions

### • Course creation

Support multiple courseware format (text, image, audio, video, PPT, PDF, Ebook, Flash, Score and etc.)

### • Exam and assessment

Provide quiz, assignment and exam and support automatic marking to fulfil different requirement

### • Communication

Provide message, forum and blog; share the course and other materials to other social apps; achieve collaboration learning and social learning

### • Record tracking and data analysis

Easy to track each student learning progress, activity and relevant performance

### • Knowledge system construction

Support build up a huge knowledge system and track the skill improvement of different knowledge

### • Personalised learning

Provide milestone and milestone to motivate students to learn; help student improve learning efficiency; help teacher improve teaching efficiency

### • Resource pool management

Achieve the effective preservation, management and sharing of resources

### • Portal

Provide unique homepage with different themes and customisable banners

### • Mobile apps

Support different mobile devices including tablet and mobile phones; support android and iOS system; learn anytime, anywhere

### • Site management

support user management, department management, subject management, class management, teaching evaluation and etc.

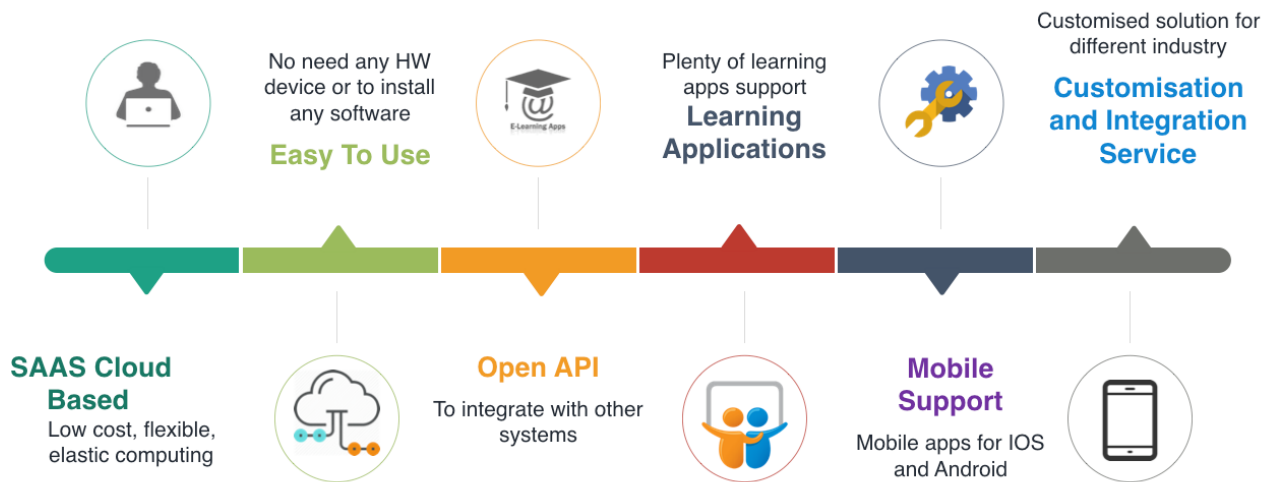
### • Real-time classroom

Support file sharing, screen sharing, white board, live chatting room and etc.

### • Smart classroom

Teacher can publish quiz, video, slides for students in the smart classroom; student can take the quiz and watch the relevant materials

## Features



## Advantages



### Powerful built in courseware authoring tool

To create the engaging and comprehensive online courseware content easily to fit different learning needs



### Rich resource types

Support the most comprehensive types of courseware



### Comprehensive teacher support

Provide Artificial Intelligence Teaching Assistant for teachers to improve teaching efficiency; Help teachers publish individual assignment for different students easily



### Comprehensive learning assessment

Teacher can track each student activity including courseware learning, usage, quiz and assignment taken times, forum discussion and etc.



### Innovative teaching design

Support different teaching method including online education, blended classroom and flipped classroom; help to create more engaging learning experience



### Modern website design

Website can be configurable for different clients needs easily



### Openness

Share your learning content and experience to other social apps with our open APIs



### Security

Provide system and server audit trails; easy to track user log; support single-sign-on; provide system backup



### Convenient communication system

Support forum, message, blog, video conference and etc; easy to communicate with others through different devices



### Flexibility

Easy to integrate with other IT System; Easy to be customised based on individual requirement

## Project Reference

### Xijing Online Learning Platform

Client: Xijing University

Industry: Higher education

#### Requirement:

- Support massive learning: Thousands of students are able to learn online course at the same time
- Easy to create course without any other software
- Support multiple types of courseware including video, audio, image, PPT, PDF, Flash, Ebook, Scorm, etc.
- Convenient for teachers to track student learning progress
- Convenient for students and teachers to share information and discuss with each other
- Support multiple roles with different right including system admin, department admin, teacher, student, etc.
- Provide equation editor for the course of mathematics and chemistry based on browser
- Mobile apps support: support multiple systems including Android and iOS
- Support multiple kinds of teaching method including blended classroom, flipped classroom, etc.
- Support personalised learning and collaboration

#### Our solution:

Provide BambooCloud H-ED including features:

- Built-in courseware authoring tool
- Multiple courseware format support
- Online course learning
- Exam and assessment
- Milestone
- Resource pool
- Record tracking and data analysis
- Department management and class management
- User Management
- Mobile apps
- Forum and blog
- Feedback

#### Platform Development

Through the cooperation among development team of Bamboo System Technology and Xijing technical, teaching and research team and six months of development and debugging, the system was successfully launched in September, 2015.

Until now, there are more than 1,500 existing teachers and more than 38,000 student users in the online learning platform. There are more than 500 online courses created and more than 20,000 resources uploaded in the platform including syllabus, lesson plans, multi media courseware and test database and etc.

In addition, Xijing University has established a branch in Singapore. Students in Singapore and students in China can also share high-quality teaching resources, and communicate with each other through the platform.



“BambooCloud is very easy to use. With the two-year cooperation, BambooCloud is covered with different features to fulfil the requirement of teachers. It helps teachers create more engaging coursewares and design innovative teach method throughout the learning process. Students also can achieve personalised learning and improve their learning efficiency. In addition, BambooCloud is a comprehensive and open management system to facilitate the school to manage students, teachers and resources, and to adapt to the trend of information society and realise the informatization.”

— Ren Fang, Dean of Xijing University

**bamboo learning**  
Learn • Collaborate • Share

The platform to reshape the future learning

Our Core Concept: Open, collaborate and share, for every learner and educator

Our Objective: To be the leading online technology and platform solution provider in Asia

Our Vision: To revolutionize the way of people's learning, knowledge creation and sharing

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