

Comprehensive Online Training Platform



Overview

Our client based in China wanted us to develop a comprehensive teaching platform to conduct live online classes. The ultimate goal of this online training platform was to transform physical class into automated system by facilitating teachers to organize & schedule classes and helping students to join/attend the live class using Virtual Classroom Tool. This SAAS-based model will allow different franchise/independent schools to use web application for their schools, as well as offer a host of features like real-time audio and video communication, interactive whiteboards, conducting and attending tests.

Virtual Class Room System



Challenges

- Identify online communication tool that efficiently allowed teachers to conduct online class with audio-video communication
- Virtual class system license allocation & distribution
- Live streaming

Hidden Brains Solutions

- Cisco Webex tool API integration into the Virtual class website
- Rackspace hosting server to deploy the website
- Baidu Map Integration to display school location
- Revenue generating Cisco license logic implementation
- Collaborative training features include
 - Video screen of all attendees
 - Access document from local machine & open in collaborative tool
 - Online test in the classroom
 - Facility to record live class & download session recordings
 - View class details like documents, live class recording, test questions, test results, and student attendance

Technology : PHP

Hidden Brains Approach

- Reviewed multiple options available in market for online classroom tool, prepared comparison check-list for all & identified Cisco tool
- Directly communicated with Cisco. Explored all features, workflow, and calculations of licenses
- Developed Cisco license distribution & allocation algorithm
- Baidu Map Integration and Translation API



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