Course Cooperation between AAFIE and XJJTU by remote video technology

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Introduction of the AAFIE project

- AAFIE (American Alliance for International Education) is initiated and led by professors from the United States (the Purdue University, the University of California, Berkeley, Northwestern University and other colleges and universities).
- It is an international educational institution that focuses on the training of global competitiveness in the 21st century and promotes cross-border exchange and cooperation.
- Xi’an Jiaotong University, Shanghai Jiaotong University, Huazhong University of Science and Technology and other C9 Universities have courses in cooperation with AAFIE.
In the spring of 2016, Xi'an Jiao Tong University introduced the Invention, Innovation and Entrepreneurship and Design Thinking course.

- 20 students per class, total of 8 classes, the cumulative number of about 150 students.
- This course enables students to learn engineering innovation modes, innovative methods, innovative processes, innovative practices and so on based on real engineering project.
- The students' innovative ideas are greatly expanded to enable students to understand how to adopt the best way to achieve innovative products.
- Students have the opportunity to learn and communicate with international inventors, senior engineers, and American entrepreneurs.
The latest course is carried out with the innovation project "Car Accident Avoidance System".

The students showed great enthusiasm, actively put forward their own solutions, specific solutions are related to Solidwork modeling, the selection of various types of master controller and sensors, 3D print etc.

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<tr>
<th>Teacher</th>
<th>Professor and senior engineers have years of experience working with international multinational corporations in the United States</th>
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<tbody>
<tr>
<td>Platform</td>
<td>Using advanced Internet remote video technology to realize face-to-face teaching and communication</td>
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<td>Language</td>
<td>All English teaching methods, students can exercise English listening, speaking, reading and writing skills and improving intercultural communication skills.</td>
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<td>Content</td>
<td>Engineering inventions, innovation features, engineering innovation model, technology transfer system and business operation mode under the international environment</td>
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<tr>
<td>Way</td>
<td>Taking the actual industrial project as the object, PPT displaying, making prototypes, writing research report</td>
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Curriculum assessment

Written test + PPT reporting + Showcase

- The participants in the group carried out PPT remote or field reporting in groups to AAFIE tutor, and explain the problem formulation, evaluate global market demand, show the conceptual design, system design and prototype.
Students' thoughts on the course

- Enrich understanding of the actual project
- Improve the ability of problem solving
- Change the thinking mode
- Enhance the ability of team cooperation
- Improve the abilities to listen and speak in English.
Thanks!