Seminar on ICT Application in Higher Education for African Countries
Project Description

Name	Seminar on ICT Application in Higher Education for African Countries		
Organizer	Shenzhen Association for Promoting International Economic & Technological Cooperation		
Time	Jul. 1 —Jul. 14, 2021	Language	English
Invited Countries	African Countries	Planned Number of Participants	25
Training objectives	To enable trainees to have a deep understanding of China's experience in the application of educational information technology in colleges and universities, establish a communication platform with relevant educators in African countries, and promote cooperation in international talent training.		
Requirements for the Participants	Professional background	--Field or specialty: computer, information and communication, Internet-related major. --Jobs: government officials and technicians in the departments of science and technology, internal affairs, education, transportation, energy, and security. —Level, academic degree or other relevant qualification requirements: none. —Working years in related fields: none. —Priority qualification: none. --other	
	Age	not higher than the legal retirement age of the recipient country.	
	Health	Be able to attend online training courses on time.	
	Language	Capable of listening, speaking, reading and writing in English	
	Others	Be able to use VooV Meeting platform to complete the project schedule.	
Training content introduction	1. Main training courses and content introduction (1) Introduction of China's experience in fighting the Covid-19; (2) Overview of China's national conditions—introducing China's natural landscape, social features, customs, etc.; (3) The application of a new generation of artificial intelligence technology in education—Introduction to the general situation of artificial intelligence technology in China; the application of intelligent speech, face recognition, semantic analysis and other technologies in education; the application of big data and the Internet of Things in education; (4) China's education informatization construction—Introduction to the development of China's education informatization; the current status and future trends of online course construction; the development and application of informatized teaching resources such as instructional videos, virtual		

simulations, and VR; online teaching and blending based on an informatized environment Style teaching, offline teaching, social practice teaching;

(5) The application of big data, cloud computing, robotics and other technologies in colleges and universities—by introducing the case of Chinese universities, we can understand the major changes of data technology to the education industry in practice, and understand the business transformation and development of cloud computing and the cloud industry ecology. Artificial intelligence boosts the development prospects of smart education;

(6) Overview of China's online education market and development-through a number of actual cases to introduce the market size, development, policy support, and technical capabilities of China's online education industry;

(7) Application of information management system in colleges and universities-teaching design models and tools to promote the integration and development of higher education and ICT experience and solutions; introduce information management systems to help higher education reform and development, and understand the deepest level of information technology in college education Changes in mobile learning equipment;

(8) Virtual reality classroom-smart education solutions create a new classroom ecology, and ICT supports higher education innovation to create a multi-level foundation;

(9) Digital campus construction-learning and analysis based on educational big information data;

(10) Online course construction—introduce the organization and implementation process of online teaching, how to build smart education mobile devices in colleges and universities to realize online communication and interaction between teachers and students, etc.;

(11) Artificial Intelligence and Education-This course aims to improve students' understanding and cognition of artificial intelligence and strengthen their understanding of the application of artificial intelligence in the field of education. Starting from the history of the development of artificial intelligence, the course explains the continuous development of artificial intelligence in the education field; the course introduces and explains common educational intelligence applications, showing the design ideas of "artificial intelligence + education" applications; curriculum analysis education policy and artificial intelligence The possible paths of integration provide references for future digital education policy makers.

(12) Introduction to digital campus construction specifications of colleges and universities-mainly including application cases of emerging technologies in campus construction and introduction to the main components of college digital campus construction, including infrastructure requirements, information resource construction, information literacy training, application service construction, and network security Six aspects of requirements and guarantee system construction. Mainly include: mainstream online course construction model, mainstream online course teaching design template, online course video production process and video samples, etc.

(13) Cloud services and applications—train students to master the basic architecture of Huawei Cloud and Amazon Cloud, the construction of cloud service data center infrastructure, understand the basic concepts of cloud computing and the application prospects of public clouds, and master the core products and products of public clouds. Application scenarios mainly include core products such as computing cloud services, storage cloud services, and network cloud services, as well as the application of big data and artificial intelligence technologies on the cloud, and understanding the basic principles of system design on the cloud.

(14) Thoughts and prospects on the information construction of smart education in colleges and universities—opportunities and challenges brought by technological innovation to colleges and

universities;

2. Introduction to seminars

(1) Symposium: Introduction to University Innovation Cooperation and Information Technology Education Sharing in Innovation Center;

(2) Symposium: Research on smart learning system engineering technology and exchange of results;

(3) Seminar: Summary and exchange on higher education information technology;

3. Introduction to the cloud platform visit

Cloud visits the academy construction, computer room facilities, and classroom types of Chinese universities; understands the top-level design, innovative applications of Chinese universities and the construction system and core functions of the university education information system.

4. Introduction of some teachers

FENG Siyuan: Doctor of Philosophy, University of Hong Kong, research direction: comparative education, extracurricular training and education, international higher education, education policy.

DU Jing: Senior Engineer, Information Technology Center of Tsinghua University, Deputy Secretary-General of the Education Information Technology Standardization Committee of the Ministry of Education.

DING Ye: Associate researcher of Fok Ying Tung Institute of Hong Kong University of Science and Technology, research direction: online education market and development, etc.

LI Chunlin: Associate Professor of Education Technology and Information Center of Shenzhen Vocational College.

WANG Binhui: Ph.D., associate professor and postgraduate tutor of the School of Software, Nankai University.

5. Materials to be prepared by the trainees

Please get in touch with the organizer in advance before starting the project, familiarize yourself with the Tencent Conference Overseas Edition platform software, and do a good job of network testing. In order to facilitate communication with Chinese experts, please prepare your country's communication materials related to the subject of the training, such as: ①including self-introduction of the major and the unit ②the current status of ICT planning, construction and development in each country and existing problems; ③other countries The status quo of international cooperation with international organizations in the country; ④The basis of cooperation with China, etc.

6. Completion test/evaluation

In the form of test questions or essays.

Host City	Shenzhen, Guangdong Province	Sites for Virtual Tours	Wuhan City, Hubei Province
Notes	1. Responsibilities and obligations: The trainees are representatives of the government, country and		

	people of the country where they are located. They are responsible for their actions and performance, abide by Chinese laws and relevant regulations of the training class, and perform corresponding obligations. 2. Disciplinary requirements: during the implementation of the project, please strictly abide by the project schedule, do not arrange activities unrelated to the training without authorization, do not withdraw from the training without any reason.
About the Organizer	The Shenzhen Association for the Promotion of Foreign Economic and Technical Cooperation (referred to as the Promotion Association) was established in October 2003. It is a social organization sponsored by the Shenzhen Municipal Bureau of Commerce. It aims to cooperate with the country's "going out" strategy, guide and help Shenzhen enterprises to open up foreign markets and promote Shenzhen's foreign economic and technological cooperation and exchanges. The Promotion Association has a solid foundation in high-tech fields such as computer and information communication technology. It is good at various trainings in these fields. It has successfully undertaken many foreign aid training tasks entrusted by the Ministry of Commerce. So far, it has undertaken more than 100 issues related to electronic information technology. In terms of foreign aid training courses, more than 3,000 government officials and technical personnel have been trained for developing countries, and they have rich experience in the organization and management of foreign aid training. Since its establishment, the Promotion Association has undertaken 5 seminars related to informatization in higher education institutions. Through years of self-accumulation and close cooperation with member units such as Huawei and ZTE, it has a computer room of hundreds of square meters and two comprehensive laboratories. And a variety of computer equipment, also has a team of experts with rich training and teaching experience in the field of intellectual education information. The Promotion Association has long-term cooperative relations with many Shenzhen ICT companies; it can provide high-quality industry teacher resources and visits for foreign aid training.
Contact of the Organizer	Contact 1: Huang Wei (Mr.) Office Tel: 0086-0755-83106133 Mobile phone(Whatapp): 0086—18923716306;WeChat ID: HW694176929; Contact 2: Bao Ting (Ms.) Mobile phone: 0086-13537638721; WeChat ID: 13537638721; Email address: apietc2017@vip.sina.com