

Seminar on Virtual Reality Technology in Vocational Education of Developing Countries

Name	Seminar on Virtual Reality Technology in Vocational Education of Developing Countries		
Organizer	Ningbo Polytechnic		
Time	2024-05-15 -- 2024-05-28	Language for Learning	English
Invited Countries	Developing countries		
Number of Participants	25		
Requirements for the Participants	Age	Under 45 for officials at or under director's level; under 50 for officials at director general's level.	
	Health	In good health with health certificate issued by the local public hospitals; without diseases with which entry to China is disallowed by China's laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular/cerebrovascular diseases and diabetes; without metal diseases or epidemic diseases that are likely to cause serious threat to public health; not in the process of recovering after a major operation or in the process of acute diseases; not seriously disabled or pregnant.	
	Language	Capable of listening, speaking, reading and writing in English during the training	
	others	Family members or friends shall not follow	
Host City	Ningbo, Zhejiang province	Local Temperature	Spring 15°C-25°C
Cities to visit	Dongguan City, Guangzhou City, Guangdong province	Local Temperature	Dongguan City 20°C-30°C, Guangzhou City 20°C-30°C
Notes	1. Please prepare your valid passport and visa in advance; 2. If you are unable to depart on time due to special circumstances, or if your flight is delayed when connecting, please contact the program contact person to inform the latest flight status in order to arrange for pick-up; 3. In principle, personal changes to international tickets are not allowed; if you really need to do so, please contact the Business Office for ticket change procedures. If personal change is made to the air tickets without consent, the resulting costs and responsibilities will be borne by the individual. 4. Please check if you need to re-handle your baggage check-in when you transfer to another flight. After picking up your baggage, please wait patiently at the international arrival exit (or domestic arrival exit) and the staff will pick you up with the pick-up sign with the name of the organizer. If you wait for more than 15 minutes, you can communicate with the program contact person by phone; 5. If you need to register with the airline in case of lost checked luggage, please call the program contact person to confirm the luggage delivery address before filling out the registration form; 6. Please pay attention to the weather of the destinations and bring appropriate clothing; prepare light footwear to facilitate visits and investigations; attend the important activities of the Seminar in formal wear or national costume; 7. Please bring a small amount of common medicines as necessary.		

Contact of the Organizer	Contact Person(s)	Mr.Cao Bo
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About the Organizer	<p>Ningbo Polytechnic is a full-time college engaged in Higher Vocational Education approved by the Ministry of Education in 1999. It was rated as the national advanced unit of Vocational Education in 2005, first batch of Demonstration Higher Vocational Colleges, the first batch of modern apprenticeship pilot colleges of the Ministry of Education, and one of the five key higher vocational colleges in Zhejiang Province, pilot college for 4-year programs, Zhejiang international characteristic university construction college, executive vice president and Secretariat unit of the National Joint Conference of higher vocational college presidents, China Aid Vocational Training Center of the Ministry of Commerce, modern educational technology teacher training base of Higher Vocational Colleges of the Ministry of Education, etc.</p> <p>The college has strong school running strength, and its main majors include Electromechanical, mold, computer, electronic information, biochemistry, logistics and other industries closely related to local industries. At present, there are more than 9000 full-time higher vocational participants and more than 16000 part-time participants and various trainers. The employment rate of previous graduates has reached 99% and the satisfaction rate of enterprise evaluation has reached more than 90%.</p> <p>The college has a multilingual translation team both inside and outside the school, with many years of experience in translation of foreign affairs and foreign aid projects, and has advanced certificates in relevant languages or overseas study experience. The languages include English, French, Spanish, Portuguese, Arabic and Vietnamese, and the relevant languages have reached the professional level of CET-8 or above; To ensure the quality of translation and accomplish the task of simultaneous interpreting, the school also signed translation cooperation agreements with the translation service centers of the Foreign Affairs Office of the Beijing Municipal People's Government, the Foreign Affairs Office of the Ningbo Municipal People's government. We have also signed translation cooperation agreement of Shanghai International Studies University, Guangdong University of Foreign Studies, Dalian Foreign Languages University, Nanjing University and Ningbo University.</p>	

Seminar Content	<p>1. Introduction to Main Training Courses and Contents</p> <p>(1) Chinese National Conditions: Understand various aspects of Chinese history, culture, and geography, so that participants can have a further understanding of China's national conditions;</p> <p>(2) Experiences of China's economic development and Reform and Opening up: Understand the achievements made since China's Reform and Opening up, the phased characteristics and important strategic opportunities of contemporary China's development;</p> <p>(3) Overview of Virtual Reality Technology: Introduce the development history, basic principles, and mainstream technologies of VR technology;</p> <p>(4) Application scenarios of VR technology in vocational education: Analyze the advantages and applicable scenarios of VR technology in vocational education;</p> <p>(5) Application Cases of VR Technology in Professional Courses: Share the application cases and effects of VR technology in different professional courses;</p> <p>(6) VR project development practice: Guide participants to design and develop VR projects, and cultivate their practical abilities;</p> <p>(7) Installation and basic application of virtual factory simulation platform: Understand the software installation, configuration, and basic functional applications of IOA virtual factory;</p> <p>(8) Virtual Factory 3D Model Building and Interaction: Master the method of building 3D virtual scenes based on model bases, and understand the functional applications of model trees;</p> <p>(9) Virtual Factory Model Import and Autonomous Modeling: Master the process of modeling based on SolidWorks to virtual factory engineering applications, and be able to establish a customized model base for virtual 3D industrial applications;</p> <p>(10) Customized Model base Function and Debugging: How to use custom model bases and standard model bases to complete the scene construction of a robot workstation;</p> <p>(11) Construction and functional methods of terminal function modules on robot: Master the construction methods and skills of robot suction cups, claws, and quick change applications;</p> <p>(12) Adding and simulating industrial robot controllers: Master the basic methods of adding robot controllers and virtual simulation.</p> <p>2、 Introduction of the Lecturer</p> <p>(1)Guo Deqiang :Senior Engineer/Specialty Director ,Research area:Automation control technology, offline programming and virtual simulation of industrial robots, digital twin technology, etc ;</p> <p>(2)Ding Wenhui :Engineer/Teacher ,Research area:Automation control technology and virtual simulation technology ;</p> <p>(3)Xu Jing:Associate Professor/Teacher ,Research area:Automation control technology and virtual simulation technology ;</p> <p>(4)Xia Yingsheng :Engineer from enterprise,Research area:Offline Programming and Virtual Simulation of Industrial Robots ;</p> <p>(5)Shen Xingang :Associate Professor/Deputy Dean ,Research area:Mechatronics integration technology and digital twin technology.</p> <p>3、 Introduction of Visits</p> <p>(1) It is proposed to arrange the participants to visit the higher vocational colleges and universities and school-enterprise cooperative units in Ningbo to learn about the application and advantages of VR technology in the field of vocational education;</p> <p>(2) It is proposed to arrange participants to visit cooperative institutions and enterprises in Guangzhou City to learn about the development and application of VR technology;</p> <p>(3) It is proposed to arrange participants to visit partner institutions and enterprises in Dongguan City to learn about the development and application of VR technology.</p>
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