

发展中国家区块链与信息安全技术研修班

项目简介表

项目名称	发展中国家区块链与信息安全技术研修班		
承办单位	贵州科学院		
举办时间	2022年8月26日—2022年9月15日	项目语言	英语
举办方式	线上	使用平台	山海云汇援外培训平台
邀请国别	发展中国家	计划人数	20人
培训目标	通过培训，学员们能基本掌握如何利用区块链等关键技术手段维护信息和数据安全，保障国家大数据产业建设，从而依托大数据技术提高实际生产和管理效率，能为今后的工作打下基础，同时促进与中国的合作与交流。		
学员要求	专业背景	——领域或专业：计算机、大数据、通讯领域 ——工作岗位：企业高管、政府工作人员、高校教授及科研机构研究人员 ——级别、学历学位或其他相关资质要求：无 ——相关领域工作年限：具备相关领域或专业的工作经验	
	年龄	线上项目年龄要求不高于受援国法定退休年龄。	
	身体健康	身体健康，能够按时参加线上培训	
	语言能力	学员应具备项目工作语言听、说、读、写能力	
	其它	能够使用山海云汇培训平台，完成项目日程安排	
培训内容介绍	受中华人民共和国商务部委托，贵州科学院将于2022年8月26日—2022年9月15日举办发展中国家区块链与信息安全技术研修班。 1. 主要课程内容及内容： (1) 大数据安全概要：邀请贵州大学网络安全专家介绍网络安全的基本概要。 (2) 国内外大数据安全现状分析：邀请贵州大学专家介绍当前国内外网络安全的现状分析并进行交流。 (3) 大数据下如何保护数据安全：要求中国网络安全大型企业奇安信集团的网络安全专家介绍大数据下如何保障数字的安全。 (4) 病毒学及网络对抗：邀请专家为学员介绍网络病毒的发展及病毒防范的相关技术，介绍网络安全对抗的基本知识，并就各国情况进行交流研讨。 (5) 《网络安全法》、《数据安全法》等介绍：邀请专家介绍中国《网络安全法》、《数		

据安全法》等网络安全相关的法律法规，并与学员研讨如何从立法层面推动国家网络安全建设与战略规划。

(6) 贵阳国家大数据安全靶场介绍：通过云参观方式，结合 PPT 介绍，向学员展示中国第一个大数据安全靶场及其对培养网络安全人才方面提供的重大作用。

(7) 移动互联网的大数据安全保护介绍：邀请专家为学员介绍移动互联网时代如何保护个人和集体的数据安全；

(8) 关键核心基础设施数据安全保护介绍：通过相关法律法规介绍、在农业、工业及能源等行业的应用介绍，让学员了解关键核心基础设施如何保障大数据安全；

(9) 区块链介绍：邀请中科院软件所专家为学员介绍区块链是什么，有什么特点，核心理念等。

(10) 主权链介绍：邀请中科院软件所专家为学员介绍其研发等主权链是什么，有什么应用场景。

(11) 区块链创新应用：邀请大数据局领导介绍区块链、大数据在数据交易等领域的创新应用。

(12) 密码学及资产加密介绍：邀请贵州大学专家为学员介绍密码学概要及密码学在资产加密中的典型应用。

(13) 中国国情介绍：通过历史、文化、政治、外交、语言、近期时事等几个纬度，向学员介绍中国的基本情况；

(14) 中国扶贫经验分享：介绍中国实现全体脱贫、走向新的发展阶段的经验和成绩；

(15) 中国抗疫经验分享：介绍中国抗击新冠疫情的经验和期间发生的感人故事。

2.视频会议平台介绍

本次研修班将使用自主研发的山海云汇援外培训平台行线上培训，采取线上直播培训+录播协助+云参观+虚拟现实远程参观相结合的方式。

3.部分主讲人情况介绍

李丹宁，正高，大数据专家、数据库专家；

李丹，副高，软件工程专家；

陈恺，正高，大数据专家，软件工程专家；

王雅洁，副高，大数据专家；

黎玉成，副高，物联网专家；

张顺，英国海归硕士，人工智能及智能制造领域研究人员。

张慧江，正高，遥感及无人机专家；

赵卫权，正高，遥感及无人机专家；

双忠，副高，信息化及智慧旅游专家；

李黔蜀，副高，信息化自动化及系统评估专家；

	<p>宋刚，副高，信息化专家； 谢锋，正高，食品安全大数据专家。 外聘专家如： 黄思齐：贵州省工信厅处长，工业信息化政策专家； 蒋朝惠，贵州大学教授，硕导，网络安全专家。 其他专家来自航天云网、云上北斗、云上贵州、奇安信、Pix Moving 等企业的技术人员、企业高管和专家。</p> <p>4.学员需准备的材料 学员需要在开班前，需提前联系承办单位联系人，拿到平台注册相关链接，完成在平台上的注册。</p> <p>5.结业测试/评估 学员每日登陆平台学习的情况、课后小测完成情况及问卷调查的提交，将作为颁发培训结业证书的依据。</p>		
<p>举办地点</p>	<p>贵州省贵阳市</p>	<p>云参观考察城市</p>	<p>贵州省贵阳市 贵州省铜仁市</p>
<p>备注</p>	<p>1.纪律要求：在项目实施过程中，请严格遵守项目日程安排。 2.学员需按照日程安排准备专题研讨相关材料，按照要求提交相关电子素材。</p>		
<p>承办单位简介</p>	<p>贵州科学院从 2003 年开始承办商务部援外培训项目，19 年来累计承办了援外培训项目 29 期，共培训来自 91 个发展中国家和地区的 1040 名政府官员和技术人员，是贵州省唯一拥有援外培训资质的单位。除商务部援外培训外，贵州科学院从 2017 年开展，每年都承担了科技部发展中国家技术培训班项目，至今已连续 4 年获批该项目，并已顺利完成 4 年的国际培训班项目，累计培训了来自 20 个发展中国家和地区的 120 名专家和政府官员，其中超过 40% 学员拥有博士学位。</p> <p>贵州科学院立足贵州省，是中国大数据综合示范区，在大数据应用研究、高新技术应用示范方面具有其他省份没有的优势。18 年来，贵州科学院始终聚焦计算机软硬件、网络技术、云计算、信息安全和大数据技术等开展援外培训，积累了一批教学资源，与贵州大学、贵州理工学院、贵州财经大学、贵州师范大学、贵州装备制造学院等高校开展密切合作，与省工信厅、教育厅、科技厅、商务厅、省外办、工商联、人社厅等共同保障项目实地考察地点的选择，与省内重要云计算及大数据企业如航天云网、云上北斗、云上贵州等有业务往来，可安排一线师资及考察参观地点。</p> <p>贵州科学院下设 16 家科研院所，其中从事信息化工作的有省新技术研究所、省电子所、省机电研究设计所、贵科大数据研究院。全院职工近 1200 人，在贵阳沙文建设有大型中试基地，开展有 3D 打印技术、LIMS 实验室平台管理、智能制造技术应用的等应用</p>		

	<p>基地。近年来，为了加快推动信息化工作，我院成立了新型科研机构：贵科大数据研究院，全面加速对数据赋能、创新驱动的发展，围绕已有数据资源和技术优势，建设了生态云、建材云、化工安全云、智慧农业云、智慧旅游云等一批优秀的云平台应用。</p> <p>贵州省后发优势明显，其利用信息技术实现迅速发展的经验能为更多发展中国家提供参考和借鉴。贵州科学院作为贵州省唯一一家综合性科研机构，其产学研一体的办院理念和技术成果，更有利于援外培训项目设立目的的实现。目前我院基于援外培训建立的友好关系，与老挝、巴基斯坦、斯里兰卡、古巴、巴拿马、多米尼加、委内瑞拉、加纳、尼日利亚等国家的大学、科研院所等建立了合作关系，面向“一带一路”国家开展了形式多样的合作交流。</p>	
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Seminar on Blockchain and Information Security Technology for Developing Countries

Name	Seminar on Blockchain and Information Security Technology for Developing Countries		
Organizer	Guizhou Academy of Sciences		
Time	Aug 26 th —Sep 15 th , 2022	Language	English
Organizing method	Online training	Platform	Shiant International Training Platform
Invited Countries	Developing Countries	Number of Participants	30
Objectives	Through the training, the trainees can basically master can basically master basically master how to use blockchain technology and other key technical technology to maintain information and data security and ensure the construction of national big data industry, so as to improve the actual production and management efficiency by relying on big data technology, lay a foundation for future work and promote cooperation and exchange with China.		
Requirements for the Participants	Professional Background	-- Field or specialty: Computer, big data and communication industry Seminar on Big Data Security for Developing Countries -- Job posts: executives in enterprises, government staff , professors in universities and researchers in scientific research institutions -- Level, academic degree or other relevant qualification requirements: None --Years of working in a relevant field: Experience in a relevant field or major	
	Age	Age requirements for online projects: the age of participants should not be higher than the legal retirement age of the recipient country.	
	Health	Good health and be able to attend online training on time	
	Language	Capable of listening, speaking, reading and writing in English for lecturing	
	Others	Able to use the Shiant International Training Platform to complete the project schedule.	
Seminar Content	Commissioned by the Ministry of Commerce of the P.R. China, Seminar on Blockchain and Information Security Technology for Developing Countries will be held by Guizhou Academy of Sciences from Aug.26 th to Sep.15 th , 2022. The Main Content of the seminar is as below: 1. Main Content of Seminar:		

- (1) Big data security profile: invite network security experts from Guizhou University to introduce the basic profile of network security.
- (2) Analysis on the current situation of big data security at home and abroad: experts from Guizhou University are invited to introduce the current situation of network security at home and abroad for analysis and exchange.
- (3) How to protect data security under big data: network security experts from Qianxin group, a large Chinese network security enterprise, are required to introduce how to ensure digital security under big data.
- (4) Virology and network confrontation: experts are invited to introduce the development of network viruses and related technologies for virus prevention, introduce the basic knowledge of network security confrontation, and exchange and discuss the situation of various countries.
- (5) Introduction to network security law and data security law: invite experts to introduce China's network security law, data security law and other laws and regulations related to network security, and discuss with students how to promote national network security construction and strategic planning from the legislative level.
- (6) Introduction to Guiyang National big data security shooting range: the first big data security shooting range in China and its important role in training network security talents will be shown to the students through cloud visit and PPT introduction.
- (7) Introduction to big data security protection of mobile Internet: experts are invited to introduce how to protect individual and collective data security in the mobile Internet era;
- (8) Introduction to data security protection of key core infrastructure: through introduction to relevant laws and regulations and application in agriculture, industry, energy and other industries, students can understand how key core infrastructure can ensure big data security;
- (9) Introduction to Blockchain technology: experts from the Institute of software, Chinese Academy of sciences are invited to introduce what blockchain is, what characteristics it has, and its core concepts.
- (10) Introduction to the sovereignty chain: experts from the Institute of software of the Chinese Academy of sciences are invited to introduce their R & D and other sovereignty chains and their application scenarios.
- (11) Innovative application of blockchain: invite leaders of big data bureau to introduce innovative applications of blockchain and big data in Data Trading and other fields.
- (12) Introduction to cryptography and asset encryption: experts from Guizhou University are invited to introduce the outline of cryptography and the typical application of cryptography in asset encryption.
- (13) Introduction to China's national conditions: introduce the basic situation of China to the students through history, culture, politics, diplomacy, language, recent current affairs and other dimensions;
- (14) Sharing China's poverty alleviation experience: introducing China's experience and

	<p>achievements in lifting all people out of poverty and moving towards a new stage of development;</p> <p>(15) Sharing of China's anti epidemic experience: introducing China's experience in combating the COVID-19 and the touching stories that took place during the period.</p> <p>2.Introduction of Online Training Platform</p> <p>During the seminar, Shiant International Training Platform will be adopted. A combination of online lecturing, online discussion and VR cloud visiting will be adopted in the course program.</p> <p>3.Introduction of part of lecturers of the seminar</p> <p>Li Danning, professor, big data expert and database expert;</p> <p>Li Dan, associate professor, software engineering expert;</p> <p>Chen Kai, professor, big data expert, software engineering expert;</p> <p>Wang Yajie, associate professor, big data expert;</p> <p>Liyucheng, associate professor, Internet of things expert;</p> <p>Zhang Shun, master degree in Britian, is a researcher in the field of artificial intelligence and intelligent manufacturing;</p> <p>Zhang Huijiang, professor, expert in remote sensing and UAV;</p> <p>Zhao Weiquan, professor, expert in remote sensing and UAV;</p> <p>Shuang Zhong, associate professor, informatization and smart tourism expert;</p> <p>Li Qianshu, associate professor, information automation and system evaluation expert;</p> <p>Song Gang, associate professor, informatization expert;</p> <p>Xie Feng, professor, food safety big data expert.</p> <p>External experts such as:</p> <p>Huang Siqi: Director of Guizhou Provincial Department of industry and information technology, expert of industrial informatization policy;</p> <p>Jiang Chaohui, Professor of Guizhou University, master director, network security expert.</p> <p>Other experts are from technical personnel, enterprise executives and experts from aerospace cloud network, cloud Beidou, cloud Guizhou, Qianxin, pix moving and other enterprises.</p> <p>4. Materials to be prepared by trainees</p> <p>Before the start of the seminar, participants need to contact the person of the organizer in advance to get the relevant link of platform registration and complete the registration;</p> <p>5. Final test/assessment</p> <p>The participants' daily log-on data of the platform, the completion of the quiz after each lecture, and the submission of questionnaire will be used as the basis for the issuance of the training completion certificate.</p>		
Host City	Guiyang City, Guizhou Province	Cloud Visit Cities	Guiyang City, Guizhou Province Tongren City,

			Guizhou Province
Notes	<p>1. Disciplinary requirements: Please strictly abide by the training course schedule.</p> <p>2. Participants are required to prepare relevant materials for the seminar according to the schedule, and submit relevant electronic materials as required.</p>		
About the Organizer	<p>Guizhou Academy of Sciences has undertaken the foreign aid training program of the Ministry of Commerce since 2003. In the past 19 years, it has undertaken 29 foreign aid training programs, training 1040 government officials and technicians from 91 developing countries and regions. It is the only unit with foreign aid training qualification in Guizhou Province.</p> <p>Guizhou Academy of Sciences, based in Guizhou Province, is a comprehensive demonstration area of big data in China. It has advantages over other provinces in big data application research and high-tech application demonstration. Over the past 18 years, Guizhou Academy of Sciences has always focused on computer software and hardware, network technology, cloud computing, information security and big data technology, carried out foreign aid training, accumulated a number of teaching resources, carried out close cooperation with Guizhou University, Guizhou Institute of technology, Guizhou University of Finance and Economics, Guizhou Normal University, Guizhou equipment manufacturing college and other universities, and worked with the Provincial Department of industry and information technology, the Department of education, the Department of science and technology, the Department of Commerce, the Provincial Foreign Affairs Office, the Federation of industry and commerce The Department of human resources and social security and other departments jointly guarantee the selection of field investigation sites of projects, and have business contacts with important cloud computing and big data enterprises in the province, such as aerospace cloud network, cloud Beidou, cloud Guizhou, etc. front-line teachers and investigation and visit sites can be arranged.</p> <p>Guizhou Academy of Sciences has 16 scientific research institutes, including Provincial Institute of new technology, Provincial Institute of electronics, Provincial Electromechanical Research and Design Institute and Guike Big Data Research Institute. The hospital has nearly 1200 employees. It has built a large pilot base in Shawen, Guiyang, and carried out application bases such as 3D printing technology, LIMS laboratory platform management and intelligent manufacturing technology application. In recent years, in order to accelerate the informatization work, our institute has established a new scientific research institution: Guike Big Data Research Institute, which comprehensively accelerates the development of data enabling and innovation driven. Focusing on the existing data resources and technical advantages, we have built a number of excellent cloud platform applications such as ecological cloud, building materials cloud, chemical security cloud, smart agriculture cloud and smart</p>		

	<p>tourism cloud.</p> <p>Guizhou Province has obvious late development advantages. Its experience of using information technology to achieve rapid development can provide reference and reference for more developing countries. As the only comprehensive scientific research institution in Guizhou Province, Guizhou Academy of Sciences has the concept and technical achievements of integrating industry, University and research, which is more conducive to the realization of the purpose of setting up foreign aid training projects. At present, the Institute has established friendly relations based on foreign aid training, established cooperative relations with universities and scientific research institutions in Laos, Pakistan, Sri Lanka, Cuba, Panama, Dominica, Venezuela, Ghana, Nigeria and other countries, and carried out various forms of cooperation and exchanges with countries along the "the Belt and Road".</p>	
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