

Build a Robust Talent Ecosystem to Support the Vigorous Growth of Industries



Security Level:



ICT Talent Partner Development Department Presentation 2025 (V1.0_202502)

Usage Description

Purpose

To provide materials about Huawei ICT talent ecosystem for communication with stakeholders such as customers, partners, governments, media, and opinion leaders.

Usage

- This document is a basic communication material. Please customize it based on actual circumstances and requirements. You can select required slides and replace some case studies with customized information to develop materials for communication.
- You may contact relevant authors for any questions and inquiries regarding the content.
- The content will be updated on a regular basis, and you are welcome to participate in the content creation.

Release Time

February 2025

Change History

| Version | Section | Page No. | Description |
|-----------|---------|----------|------------------------------------|
| V1.0_0207 | | | First updated and released in 2025 |
| | | | |
| | | | |
| | | | |
| | | | |



01

Huawei Overview

Huawei: Leading provider of ICT infrastructure and smart devices



207,000 employees



55% employees work in R&D



170+ countries and regions



No. 5 in global R&D investment



140,000+ active patents held globally

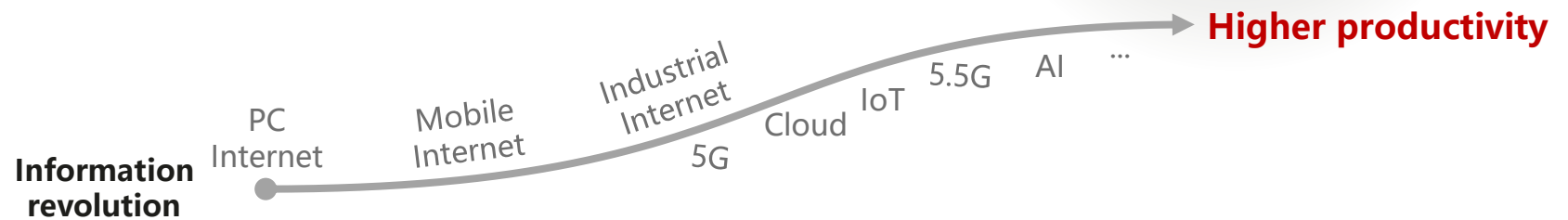
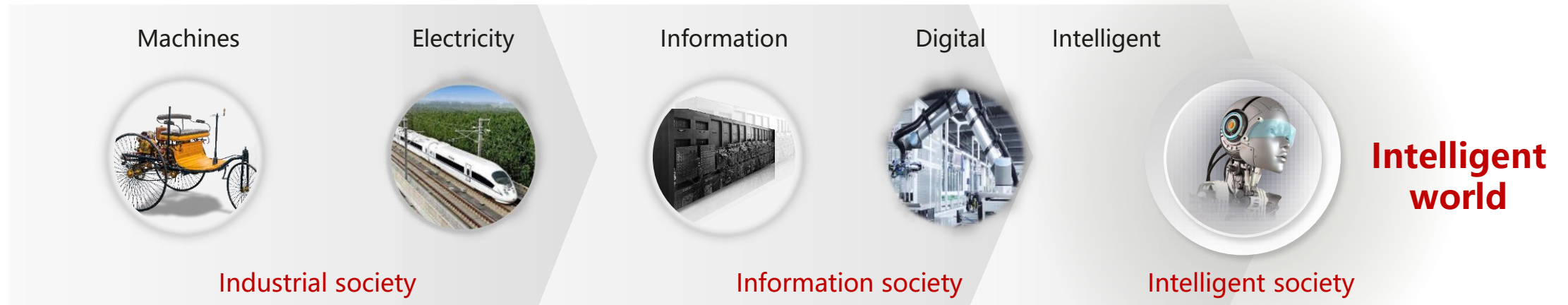
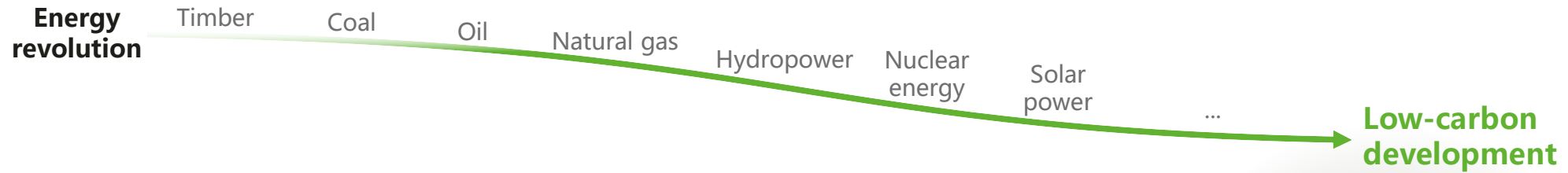
Vision & mission

Bring digital to every person, home and organization for a fully connected, intelligent world

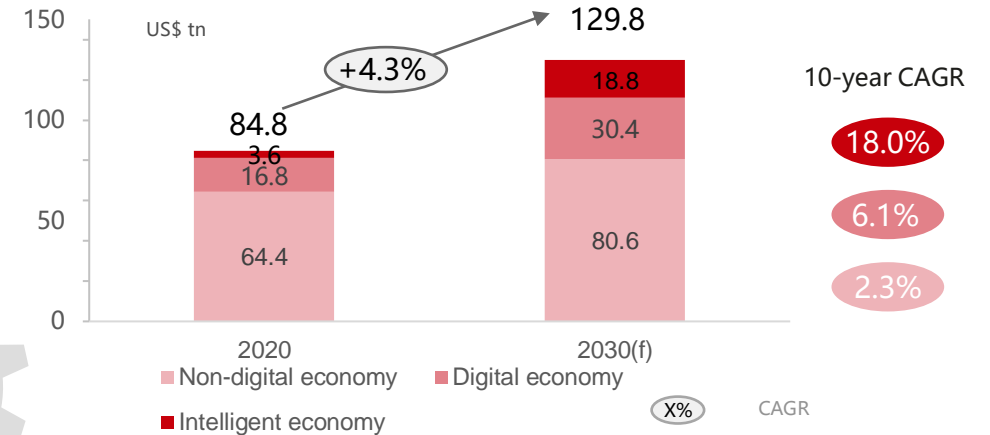
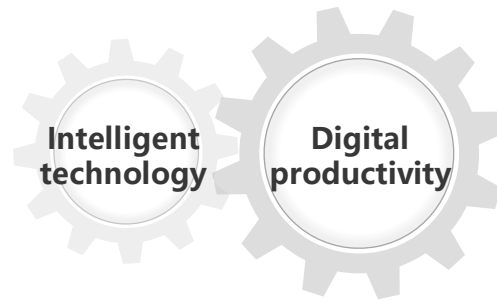
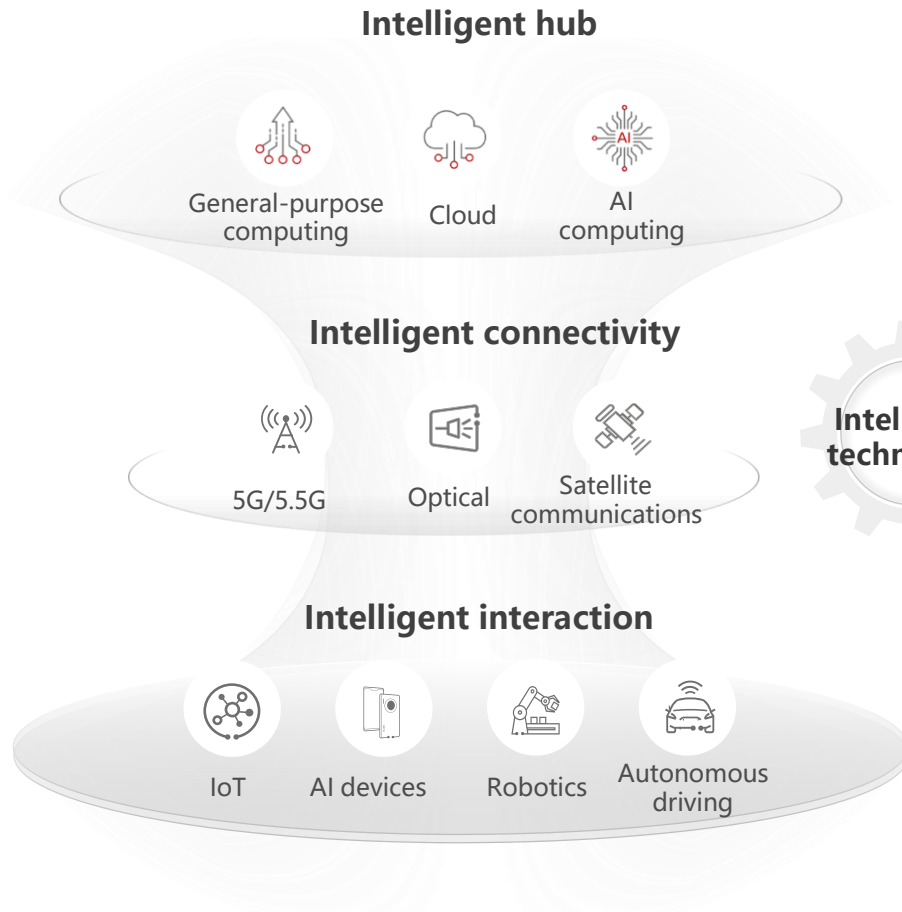


Trends & Insights

Humanity has never stopped envisioning the future



As intelligent technologies accelerate digital productivity, the intelligent economy becomes the key engine of growth



37.9%

Digital and intelligent economy as a share of the global economy by 2030

18.0%

CAGR of the intelligent economy

Sources: EY analysis, Oxford Economics, and Huawei

Countries actively introduced national strategies, focusing on honing competitive edges in intelligent and green development

Germany

- **Digital:** Digital Strategy 2025; Industry 4.0
- **AI:** National AI Strategy; AI Made in Germany
- **Green:** Climate Action Act 2030

France

- **Digital:** International Digital Strategy; Digital infrastructures and spatial planning (2023–2025)
- **AI:** National Strategy for AI Phase II (2021–2025)
- **Green:** National Low Carbon Strategy

UAE

- **Digital:** The UAE Centennial 2071: Best country in the world (economy, government, society)
- **AI:** Strategy for Artificial Intelligence 2031: World leader in AI
- **Green:** National Energy Strategy 2050

Saudi Arabia

- **Digital:** Vision 2030, Smart Government Strategy 2020–2024, etc.
- **AI:** National Strategy for Data & AI
- **Green:** Circular Carbon Economy National Program; Saudi Green Initiative (SGI)

China

- **Digital/Green:** 14th 5-Year Plan and 2035 Long-Range Objectives; New Infrastructure; 3060 Dual Carbon Targets
- **AI:** Next Generation AI Development Plan

Japan

- **Digital:** Society 5.0: Solutions to Better Lives
- **AI:** AI Strategy 2021
- **Green:** Green Growth Strategy Through Achieving Carbon Neutrality in 2050

Thailand

- **Digital:** Thailand 4.0; ASEAN Digital Hub
- **AI:** National AI Strategy and Action Plan (2022–2027)
- **Green:** Thailand Integrated Energy Blueprint; Energy 4.0

Indonesia

- **Digital:** Digital Indonesia Roadmap 2021–2024
- **AI:** Indonesia National AI Strategy 2020–2045
- **Green:** Long-Term Strategy for Low Carbon and Climate Resilience 2050

Singapore

- **Digital:** Smart Nation 2025, Digital Economy Framework Action Plan
- **AI:** National AI Strategy 2.0
- **Green:** Singapore Green Plan 2030

Malaysia

- **Digital:** MyDIGITAL; ASEAN Digital Hub
- **AI:** National Artificial Intelligence Roadmap 2021–2025
- **Green:** National Energy Policy 2022–2040

Mexico

- **Digital:** National Development Plan for 2019–2024; Universal Internet, Bridging the Digital Divide
- **AI:** National AI Agenda 2030
- **Green:** 2020–2024 Energy Sector Program

Brazil

- **Digital:** Digital Transformation Strategy (E-Digital) 2022–2026
- **AI:** Artificial Intelligence Strategy 2021
- **Green:** National Energy Plan 2030

170+ countries and regions have released **digital nation** strategies

60+ countries and regions have elevated **AI** development within their national strategy

151 countries and regions have released action plans for **green development**

Morocco

- **Digital:** Morocco Digital 2025
- **AI:** Strategy and National Roadmap for Developing the AI Ecosystem
- **Green:** National Energy Strategy

South Africa

- **Digital:** National Development Plan 2030; Digital and Future Skills Strategy
- **Green:** Low Emission Development Strategy 2050 (LEDS)

Egypt

- **Digital:** Egypt Vision 2030
- **AI:** Egypt National Artificial Intelligence Strategy 2021
- **Green:** Integrated Sustainable Energy Strategy (ISES) to 2035

Kenya

- **Digital:** ICT Authority Strategic Plan (2020–2024)
- **AI:** National AI Strategy 2019
- **Green:** National Energy Efficiency and Conservation Strategy

ICT talent supply and demand gap

Continuous technological innovation

Rapid industrial development

Profound digital transformation



Match digital transformation strategies worldwide

Currently, over 170 countries have released digital strategies and over 60 countries have released AI strategies. ICT talent is in urgent need.



Support ICT talent development

ICT talent development must meet requirements of each country, with talent development direction, quantity and path being specified.



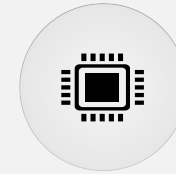
Focus on university-enterprise collaboration

University-enterprise collaboration shall meet the development requirements of technologies and industries, improve students' ICT skills, and bridge the ICT talent gap in the future.



Build a prosperous industry ecosystem

In the future, 70% of the ICT talent will be in urgent need in emerging industries such as cloud, big data, IoT, and intelligence, especially in HarmonyOS and Euler.



Bridge the ICT talent gap

Enterprises have increasing demands for digital transformation and need a great number of experienced ICT talent.

Forecast by the World Bank in 2017: There will be a global ICT talent shortage of 10 million in the next 10 years.



OR

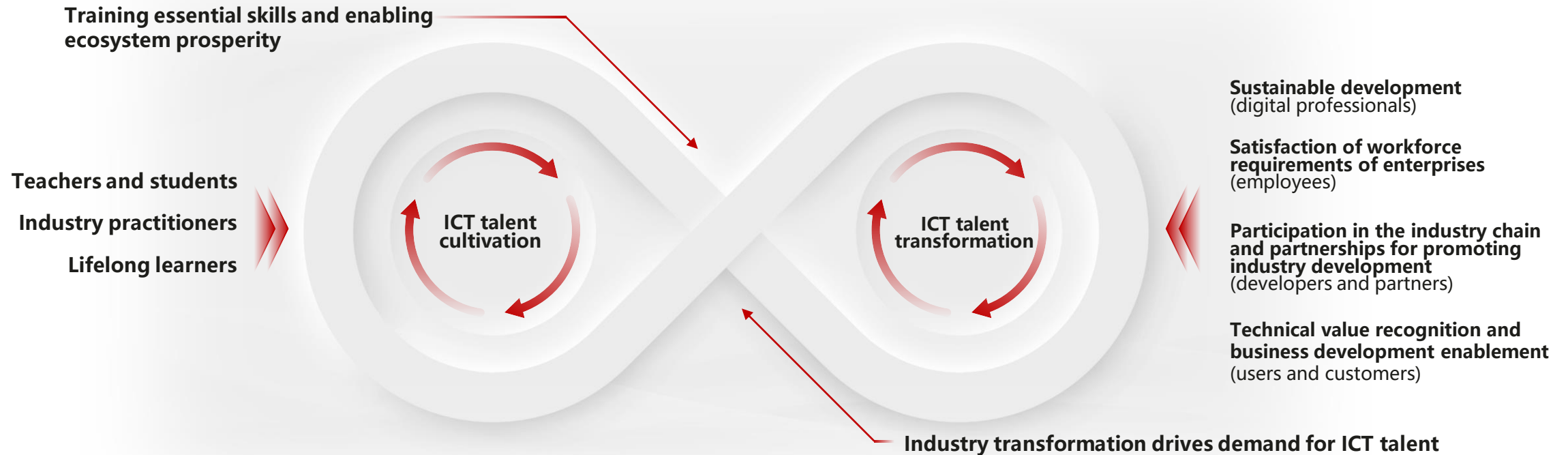
Talent Ecosystem

Teachers and students

Industry practitioners

Lifelong education

Huawei prioritizes the cultivation and transformation of ICT talent





OR

Talent Ecosystem

Teachers and students

Industry practitioners

Lifelong education

Building an educational talent ecosystem to foster the growth of the ICT industry

Vision

With technology as the foundation and practical experience as the driving force, we aim to support the digital transformation of education and cultivate a new generation of skilled digital professionals who will benefit society.

Univer -sity

Focuses: high-quality courses, teaching materials, competition results, social practices, skill master studio/science innovation team, product R&D center, social services, subject topics, teaching achievement awards, national base, international workshops (studios), promotion of innovation achievements and core technology industrialization, and openness of high-quality online courses.

Surveying talent requirements

Formulating talent cultivation plans

Developing teaching resources

Improving teaching methods

Building practice environments

Training teacher teams

Improving students' practical capabilities

School characteristics and ranking

Huawei

Building a talent alliance

Huawei ICT Academy

Huawei ICT Academy Support Center (IASC)

Educational organizations

Incorporating talent standards

Basic course/teaching material

Huawei Certification

Improving talent capabilities

University-Industry collaboration

Train The Trainer (TTT)

Innovation training camp

Huawei Talent platform

Promoting the value of talent

Huawei ICT Competition

Talent Job Fair

Education-related summits

Huawei ICT Academy helps universities around the world cultivate ICT talent

Huawei ICT Academies are authorized by Huawei to teach students about Huawei's latest ICTs and knowledge.



Huawei

Course authorization
Training authorization
Learning resources



University

Education programs
Lab environment
Certified teachers

Huawei ICT Academy

As of the end of 2024, Huawei has partnered with over **3,000** universities and covered over **11,000** teachers in over **110** countries. We have cultivated more than **1.3 million** students (more than **300,000** students per year on average).

UNESCO
Global Skills Academy (GSA)
Flagship project with key partners

Huawei
ICT Academy | Teachers are trained and certified so that they can guide their students through a number of ICT courses covering fields such as Artificial Intelligence, 5G, Big Data and Internet of Things
ICT Competition 2022-2023:
Registration for the 7th Huawei ICT Competition is now OPEN

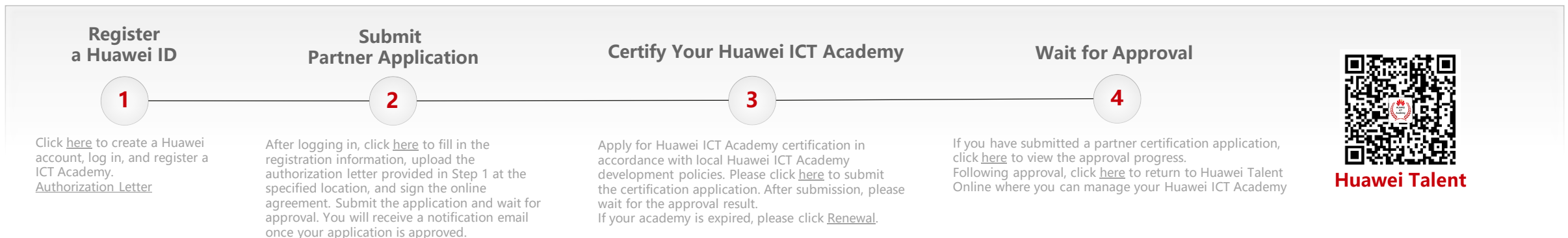


Scan to learn more

| | | | |
|--|------|--|------|
| Huawei ICT Academies in Africa | 830+ | Huawei ICT Academies in the China Region | 950+ |
| Huawei ICT Academies in Latin America | 430+ | Huawei ICT Academies in Asia Pacific | 340+ |
| Huawei ICT Academies in the Middle East and Central Asia | 240+ | Huawei ICT Academies in Europe | 210+ |

*Data: As of December 2024

Huawei ICT Academy Registration & Certification Process



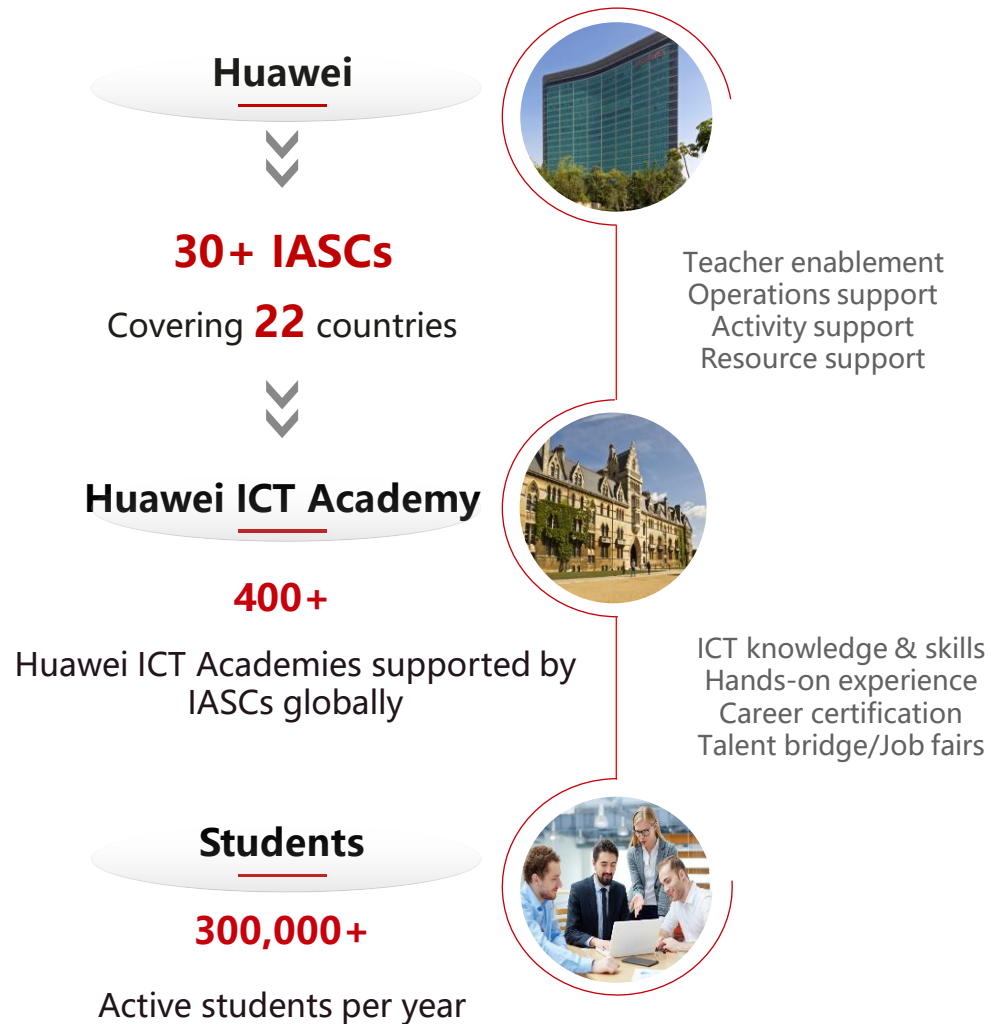
Huawei Talent

Huawei ICT Academy Support Center (IASC)

Supporting the development and operations of Huawei ICT Academies



Huawei IASC
official
website



Huawei ICT Academy Support Center (IASC) is the partner certified and authorized by Huawei to support the development and operations of Huawei ICT Academies.

IASC Support Scope



Development Support

Guiding and supporting the certification and renewals of Huawei ICT Academies.



Instructor Training

Improving the professional capabilities and teaching skills of Huawei ICT Academy instructors.



Operations Management

Helping Huawei ICT Academies obtain information resources, tools, and other services.



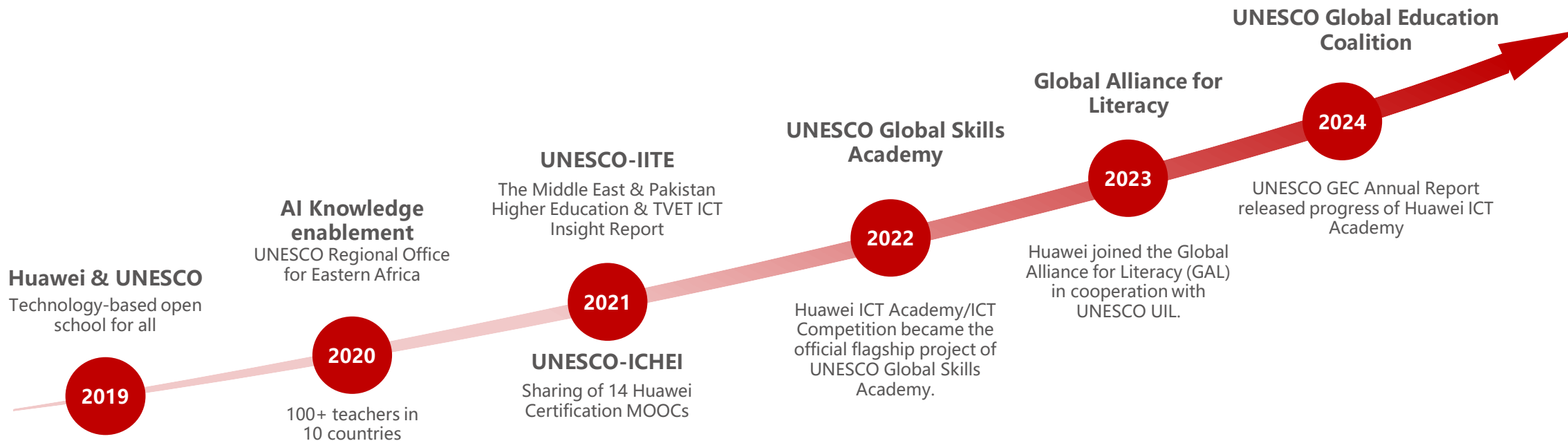
Activity Support

Assisting Huawei and helping Huawei ICT Academies smoothly carry out online and offline activities.

*Data: As of December 2024



Working with UNESCO to achieve SDG 4



Huawei ICT Academy Courses in Collaboration With Universities

Comprehensive technology coverage, equal emphasis on theory and practice



| | Connectivity | Cloud & Computing | Application Development |
|---------------------|---|--|---|
| Professional | <ul style="list-style-type: none"> Data Communication and Network Technology Principles and Applications of WLAN 5G Network and Applications Huawei ICT Competition 2023-2024 Practice Competition Network Track Practical Course | <ul style="list-style-type: none"> Artificial Intelligence Technology and Applications V2.0 Huawei ICT Competition 2023-2024 Practice Competition Computing Track Practical Course Huawei ICT Competition 2023-2024 Practice Competition Cloud Track Practical Course | <ul style="list-style-type: none"> Internet of Things Technology and Applications |
| General | <ul style="list-style-type: none"> Search and AI Information Representation and Data Organization | <ul style="list-style-type: none"> Computer Network Course | <ul style="list-style-type: none"> Data Management and Analysis Algorithm and Program Design |
| | <ul style="list-style-type: none"> AI Basics: Overview of AI Math Basics Python Programming Basics Cloud Basics: Development and Basic Concepts | <ul style="list-style-type: none"> 5G Basics: What it's all about Cloud Advanced: Architecture and Technologies | <ul style="list-style-type: none"> 5G Network Architecture and Key Technologies Network Security Overview of IoT Technologies Digital Power |

| | | | | | | | | |
|------------------------|-------------------|-------|--------|-------------------------------|-----------------------------|--------------------------|-----------------|----------------------|
| Teaching Suites | Teaching syllabus | MOOCs | Slides | Electronic teaching materials | Lab guide (for instructors) | Lab guide (for students) | Lab setup guide | Mid-term/Final exams |
|------------------------|-------------------|-------|--------|-------------------------------|-----------------------------|--------------------------|-----------------|----------------------|

- Instructor-led
- Self-paced
- Book publication
- Associated with certification
- Global
- Digital Badge



Huawei ICT Academy Teaching Materials

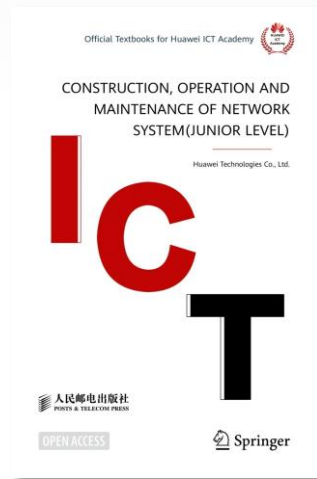


Book catalog

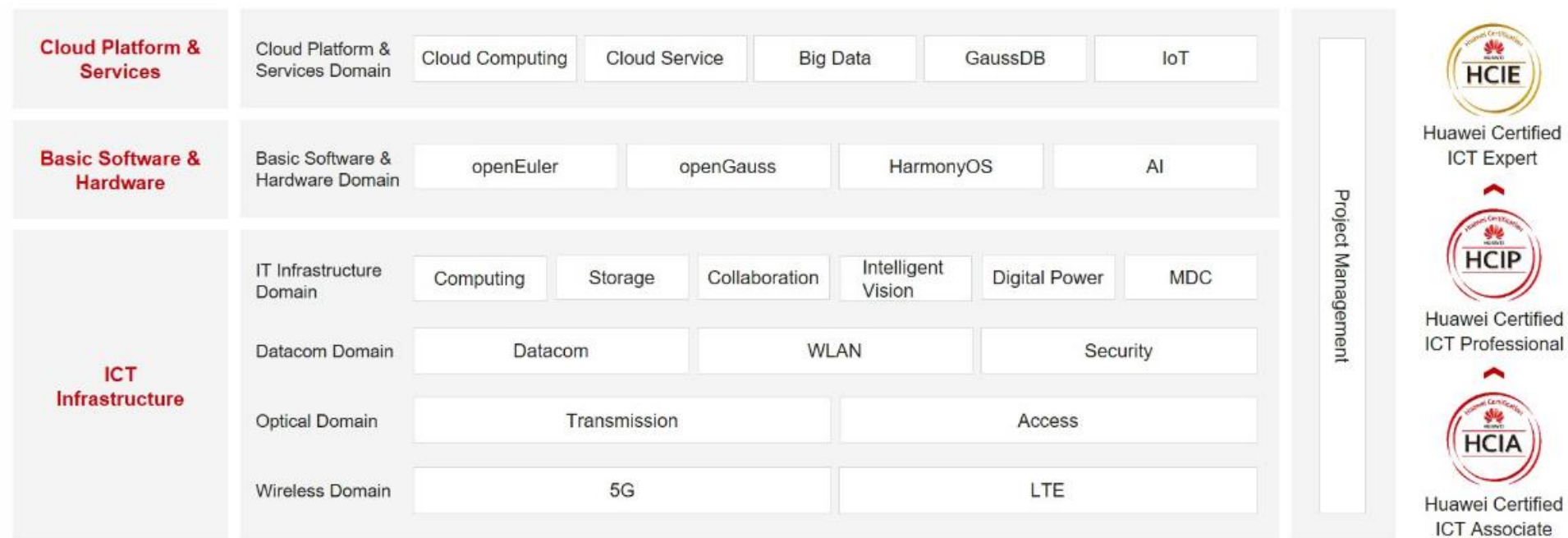
Teaching Instruction Committee + Universities + Publishing houses + Huawei

Training material recommended by the Huawei ICT Academy (5)

To deepen cooperation with colleges and universities and drive the cultivation of ICT talent, Huawei has published official Huawei ICT Academy Textbooks with Posts & Telecom Press and Springer, which cover four technical domains: AI, cloud computing, data communication, and databases. The books are published as open access content and can now be downloaded for free.



Huawei certification: 3 categories, 6 major domains, and 23 certification fields



Data as of December 2024

Build up an HCIE high-end talent exchange community

Lead the technological trends

Share cutting-edge technological trends



01. HCIE Club

HCIE elites members discuss industry trends and share cutting-edge technologies.

Build a high-end talent community

Develop an expert community



02. HCIE Salon

50 HCIE experts and 46 guests attended the event. Through IE-related games and communication, the salon provided HCIE elites in Yunnan with a platform for exchanging ideas, making friends, and building a brand image for HCIE high-end talent.

Share HCIE success

Enjoy HCIEs' honor



03. HCIE Night

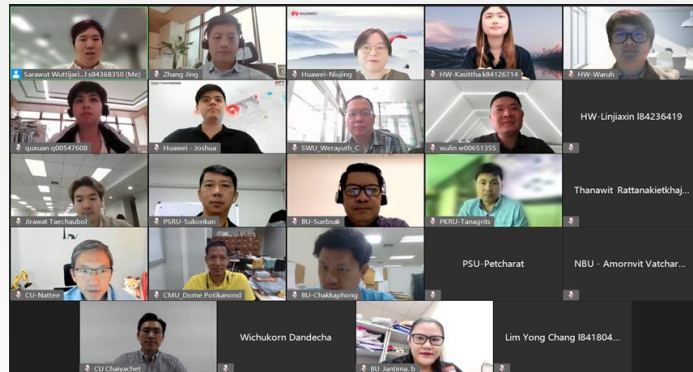
In September 2023, the "HCIE Night" was held in Shanghai, gathered more than 200 HCIE experts from China, Asia Pacific, Africa, and Latin America.

Help universities build up more competitive teacher teams

Huawei teacher training activities (small class + case study)

University-enterprise joint teacher training

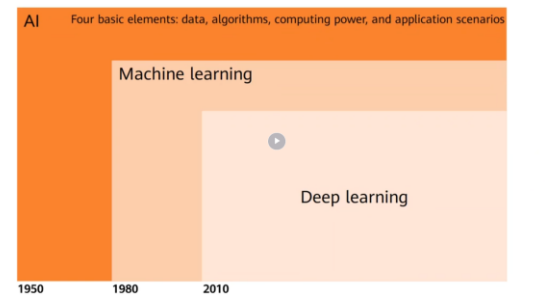
Huawei + Talent Alliance + Universities



For all undergraduate universities

Online training for Huawei ICT Academy teachers

Relationship Between AI, Machine Learning, and Deep Learning



For Huawei ICT Academies

Teacher training about Huawei certification

Huawei + IASC



For application-oriented undergraduate universities

Huawei Talent platform: one-stop support for digital talent cultivation in colleges and universities



Interactive live streaming



Live streaming, lecture notes sharing, and interaction between teachers and students help improve learning efficiency

Online experiments*



Online experiments based on cloud computing help resolve operational challenges

Mock exam



Online exam simulation enables efficient learning and supervision of learning outcomes

Excellent MOOCs



300 excellent courses
22 technical directions in the ICT field



170+
countries and regions



3,000+
Huawei ICT Academies



100+ countries/**210 thousand** students
(signed up for the Huawei ICT Competition 2024-2025)

Case collection



120+ cases
Sharing success stories of Huawei ICT Academy, Huawei ICT Competition, and HCIE certification from multiple perspectives and in various ways.

Huawei Talent

Huawei ICT Competition: promoting exchanges and mutual learning



Huawei ICT Competition official website



UNESCO
Global Skills Academy
Key partner flagship project



Featured on the China Association of Higher Education's **List of National University and College Student Competitions** for 4 consecutive years

Promoting learning through competitions

Free online courses

Promoting training through competitions

Teacher competition and exchange

Promoting employment through competitions

Talent Job Fair



9 Huawei ICT Competitions have been held so far, with **over 960,000 participants** from over **2,000 colleges and universities** in **100 countries and regions** in total.

Huawei ICT Competition 2024-2025: 5 competitions, 11 tracks

Practice Competition

| | |
|--|---|
| Network (datacom, security, WLAN, DCN) | Cloud (cloud, big data, AI) |
| Computing (openEuler, openGauss, Kunpeng) | Ascend AI (China) (MindSpore, CANN) |

Challenge (upon invitation)

| | |
|-------------------------|----------------------------------|
| Model tuning (China) | HPC multi-core tuning (China) |
|-------------------------|----------------------------------|

Innovation Competition

AI innovation
(AI general, Ascend, CANN, MindSpore, Cloud Native, OpenHarmony)

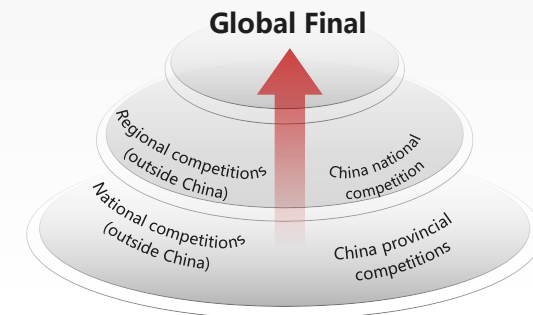
Programming Competition New

OpenHarmony
OpenHarmony IoT application development (China)

Teaching Competition New

| | | |
|-----------------------------|-----------------------------|-----------------------------|
| Experimental teaching cases | Excellent textbooks (China) | ICT Academy operation cases |
|-----------------------------|-----------------------------|-----------------------------|

Layer-by-layer selection worldwide



Huawei ICT Competition 2024-2025 Global Final
To be held in May 2025 in Shenzhen

Most Valuable Instructor (MVI) - Privileged Community of Instructors

Showcase

Excellent competency & professional expertise

Outstanding performance in ICT talent cultivation & selection

Value

Networking & exchange platform

Belonging to Huawei ecosystem

Public recognition

Evaluation Criteria

Training skills & teaching quality;
Professional development & expertise;
Courseware development & integration;
Success of students in the ICT industry.

Selection Ways

Huawei ICT Competition Teaching Competition:
- Experimental Teaching Cases;
- ICT Academy Operation Cases;
- Textbooks Development.

Community Scope

Networking and exchange experiences with like-minded people;
Continuous professional development;
Personal promotion in social media.

MVI Community in 2024

24

MVIs globally

24

Countries

21

MVI Articles

Global MVI Forum



Global MVI Awarding



MVI community of instructors and academia experts with outstanding contributions who serve as a beacon and encourage others to learn from the best.



Huawei ICT
Talent Job Fair
platform

Huawei ICT Talent Job Fair: bridging the gap between talent supply and demand and supporting the transformation of ICT talent

Huawei ICT Talent Job Fair is a talent recruitment platform organized by Huawei in collaboration with Huawei ICT Academy and Huawei partners. Its purpose is to bridge the job-seeking requirements of Huawei ICT Academy students with the employment needs of Huawei partners.

- The online platform connects the employment needs of companies with the job-seeking requirements of students, broadening employment opportunities.
- Offline activities enable direct interaction between exceptional students and companies, ensuring efficient matching of talent and job positions and improving employment opportunities for jobseekers.



In 2024, over **59** talent job fairs were held, attracting over **30,000** students and **1,151** outstanding enterprises from 22 countries and regions.



Huawei participates in various global summits and forums, providing a global exhibition platform for colleges and universities to expand their international influence

MWC 2024



Huawei ICT Talent Partner Development Dept, in collaboration with TECH4ALL, showcased for the first time in the carrier exhibition area. Huawei also took part in the Green ICT Enabling Green Development summit and Huawei Talent Summit, where it introduced the Huawei ICT Academy Digital Badge.

Presentation of plaques for **six** Huawei ICT Academies in Europe. Introduced the Huawei ICT Academy Digital Badge **for the first time**.

HUAWEI CONNECT 2024



At HUAWEI CONNECT 2024, Huawei unveiled the Partner ICT Capability Improvement Program to highlight the crucial support provided by the Huawei ICT Academy. In addition, Huawei introduced the ICT Talent Cultivation Solution to help universities foster digital talent and hosted the IASC roundtable to facilitate the sharing of success stories.

2 summits
1 roundtable forum

2024 Huawei ICT Academy Annual Conference



At the 2024 Huawei ICT Academy Annual Conference, Huawei released the ICT Academy 3.0 Plan, set up the ICT Talent Development Committee, held the launch ceremony of the Huawei ICT Competition 2024-2025, and released two sets of textbooks: Basic Software Series and IoT Series.

4 launch ceremonies
9 guest speeches and case sharing

ICT Accelerating Education Transformation Summit 2024



The Huawei ICT Accelerating Education Transformation Summit 2024 brought together over 200 education industry experts, industry consultants, and Huawei experts to discuss the application, trends, and practices of cultivating ICT talent and implementing smart education.

1 case sharing **2** roundtables
1 keynote speech **1** MVI award ceremony



03






Talent Ecosystem

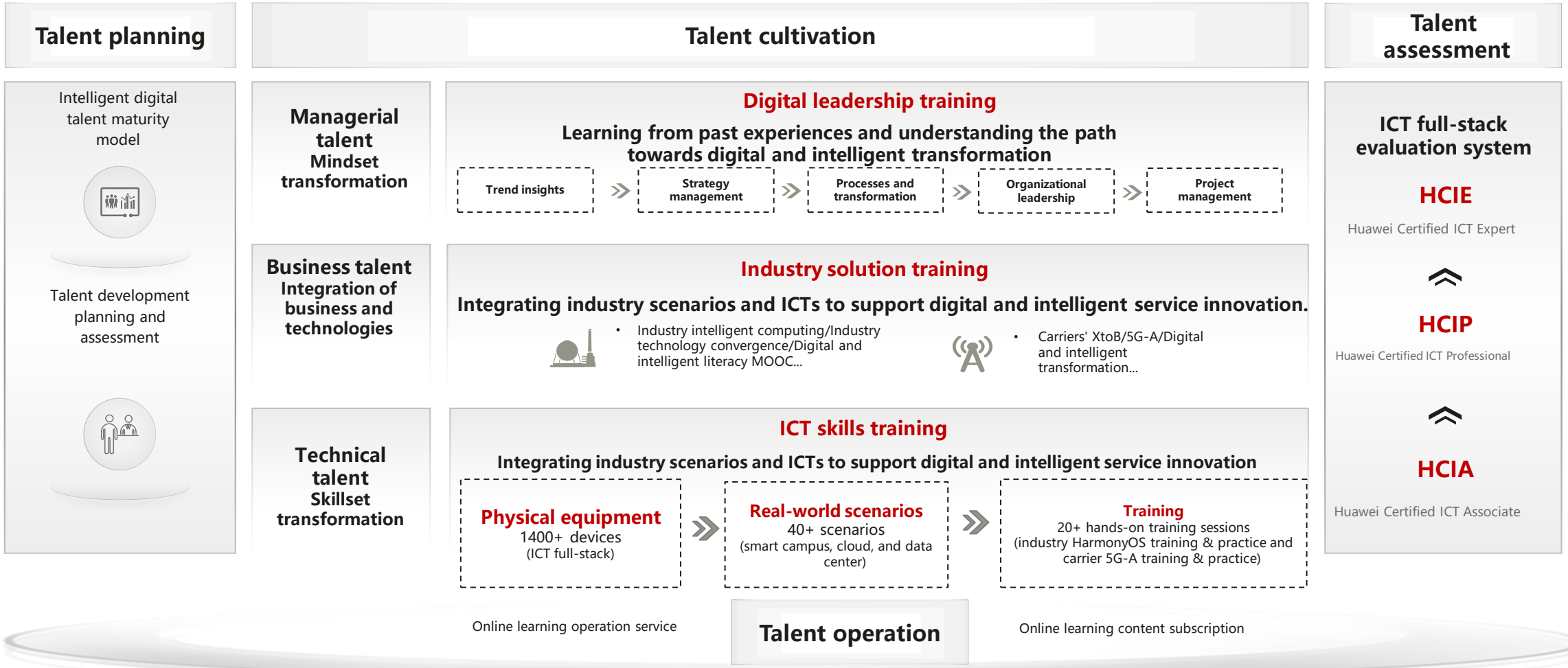
Teachers and students

Industry practitioners

Lifelong education

Huawei training: connecting global wisdom and cultivating digitally skilled talent for the intelligent era

 **31** training centers
  **1,300+** expert trainers
  **23** certification domains
  **3,000+** training courses
  **3.5+ million** persons trained





03

Talent Ecosystem

Teachers and students

Industry practitioners

Lifelong education

Huawei works with government agencies and other educational organizations for ICT talent development

Huawei ICT Academy actively responds to the ICT talent development requirements of educational organizations and related government agencies.

We support the creation of localized learning content, provide learning platforms, and collaborate with the government to cultivate skilled ICT professionals.





04

Success Stories

Case study | Shanghai Jiao Tong University: building an innovative talent center to cultivate innovative talent

Background

- Shanghai Jiaotong University (SJTU) is a world-renowned and first-class university in China. Its vision is to build a comprehensive, innovative, and international world-class university.
- New technologies such as cloud, AI, 5G, and HarmonyOS are changing traditional industries. The university is eager to apply them in teaching and practice to inspire innovation and entrepreneurship in its students.

"The cooperation between SJTU and Huawei has not only promoted the reform of course content and teaching methods of our university, but also supported students' entrepreneurship, and set an example of a win-win cooperation between universities and enterprises."

—Chu Pengzhi

Assistant to the Director of the Student Innovation Center, Shanghai Jiao Tong University



Cooperation Process

Start

January 2017
Signed the cooperation agreement

Activities

Jointly build an innovation training camp.
Jointly develop courses
AEEE teacher training

Achievements

Talent cultivation: Over 2,000 students received training, some of whom won prizes in the Huawei ICT Competition and IoT Design Competition.
Teacher training: 200+ teachers in colleges and universities across China.
Teaching achievements: (1) Three Huawei courses were integrated into the universities credit courses. (2) The AI course won the Grand Prize of the National Teaching Design Competition. (3) The lecturer team received the SJTU Special Award for Teaching Achievements.

Case study | Shenzhen Polytechnic University & Huawei: Integrating industry practices into education

Background

- Shenzhen Polytechnic University (SZPU) is a pioneer in higher vocational education in China. It aims to become a world-class vocational college.
- Shenzhen Polytechnic University works with Huawei to update courses based on the latest industry practices, helping graduates become more competitive.

Collaboration Process

Start

In 2011, Shenzhen Polytechnic University became the first Huawei ICT Academy among Higher Vocational Colleges

Activities

- Participation in Huawei trainer trainings
- Integration of Huawei certification into the education system
- Development of practical training conditions
- Participation in Huawei ICT Competition

Achievements

Course: By August 2024, more than 5000 students had obtained Huawei certificates, and over 380 of them obtained HCIE certifications.

Teachers: Over 50 teachers have obtained HCAI certifications. The 1+X network textbook series compiled by teachers have been included in the 13th Five-Year Plan teaching materials, with annual sales of over 100,000 copies.

Teaching results: The collaboration won the **National Teaching Achievement Award** in 2018.

"We are working with Huawei to explore a new model of university-enterprise collaboration with which we complement each other's strengths to overcome the difficulties in integrating industry practices into education. We have integrated Huawei certificates into courses. This benefits both universities and enterprises.

— Ma Xiaoming,

Former Vice President of Shenzhen Polytechnic University /the First Author of National Teaching Achievement Award



Case study | Chongqing Polytechnic University of Electronic Technology: building a 5G training base to cultivate inter-disciplinary ICT talent

Background

Chongqing Polytechnic University of Electronic Technology is a "High-level Vocational College with Chinese Characteristics", "National Demonstration Vocational College", and "National High-quality Vocational College." It is dedicated to nurturing versatile and creative professionals who receive comprehensive training in the ICT industry. It has partnered with Huawei to establish the Huawei ICT Academy and has been honored as the "Excellent Huawei Network and Technology Academy " in China for four consecutive years.

Cooperation Process



The integration and innovation of 5G in various industries present both significant challenges and opportunities. There is a pressing need for a large number of 5G professionals, especially for Chongqing Polytechnic University of Electronic Technology, due to the presence of existing 2G/3G/4G mobile communication base stations. The demand for cultivating 5G technology talent is urgent.



Huawei has established a practical training base with a focus on communication technology, covering areas such as datacom, LTE, 5G, transmission, and NB-IoT. Through this training platform, Huawei has integrated the curriculum of Chongqing Polytechnic University of Electronic Technology with Huawei's ICT talent development courses. Huawei offers customized talent development programs, live-streamed ICT classes, ICT lectures, 5G training camps, and specialized teacher training workshops.



- Joined Huawei's 5G+ Digital Talent Alliance
- Recognized as an Excellent Huawei Network and Technology Academy
- Won the Grand Prize in the Network Track and First Prize in the Cloud Track of the Practice Competition in the Huawei ICT Competition 2021-2022 Global Final.

VOC



Sun Weiping, CPC Committee Secretary of Chongqing Polytechnic University of Electronic Technology, presented awards to the representative team and their instructor



Nie Qiang, Deputy CPC Committee Secretary and President of Chongqing Polytechnic University of Electronic Technology

Our university and Huawei have joined forces to create a collaborative community that integrates education and industry. We have introduced the groundbreaking concept of "Three Collaborations, Three Sharings" to foster collaboration between the university and enterprises in cultivating talent. Through a "Platform + Module" approach, we have revamped the curriculum system and established an exceptional ICT integrated training base. By implementing the innovative "Six Combinations" training model, we have successfully trained and developed over 12,000 skilled ICT professionals, making a substantial impact on the growth of the ICT talent ecosystem.



Huawei ICT Academy signing ceremony of Chongqing Polytechnic University of Electronic Technology

Case study | Universitas Indonesia: Huawei ICT Academy and smart education solution help cultivate ICT professionals

Background



Universitas Indonesia is a top national university of Indonesia founded in 1849 and ranked 237th in the QS World University Rankings 2024.

The two campuses in Jakarta and Depok offer 62 bachelor's degrees, 68 master's degrees, 6 disciplines, and 37 PhD programs, serving more than 47,000 students.

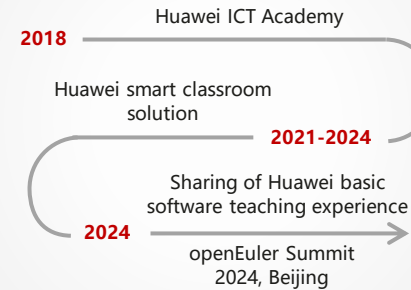


Cooperation

Challenges

- Digital transformation emphasized by the Ministry of Education
- Challenges of online learning brought by COVID-19
- Collaborative learning


Process



Achievements

- Trained 600+ students
- Trained 30+ teachers
- 80 smart classrooms serving 100+ teachers and 8,000+ students in 19 faculties


Solution

| | | | | | |
|---|----------------|------------------|------------------------|-------------|-----------------|
|  Huawei ICT Academy | Datacom | openEuler | openGauss | WLAN | Security |
| | Storage | Big data | Cloud computing | IoT | AI |


Cloud Security White Paper

Champion of the Cloud Track in the Practice Competition of the Huawei ICT Competition


Smart classroom



Huawei IdeaHub



Switch + Video device



Case study | University of Fortaleza (UNIFOR): joining hands with Huawei to explore digital transformation of higher education in Brazil and cultivate innovative ICT talent

Background



University of Fortaleza (UNIFOR) is a member of the Edson Queiroz Foundation and has been a pioneer in promoting academic excellence, especially in social development and applied research, for over 51 years. It has emerged as one of the top private universities in North and Northeast Brazil, according to the Times Higher Education World University Rankings 2024.

Challenges

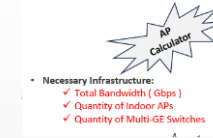
- The courses offered by the School of ICT only include elective courses and theoretical learning.
- Low operational efficiency of the campus network platform



2022



2023



2024



- Necessary Infrastructure:
 - ✓ Total Bandwidth (Gbps)
 - ✓ Quantity of Indoor APs
 - ✓ Quantity of Multi-GE Switches

- Necessary Infrastructure:
 - ✓ Quantity of Indoor APs
 - ✓ Quantity of Multi-GE Switches

- 500+ students (5G, cloud, Python, AI, and Datacom)
- 25 students were hired by telecom companies.

- Third Prize of the Cloud Track in the Practice Competition of the Huawei ICT Competition
- The competition was integrated into social project courses.

- **Huawei learning club (@huaweiclubunifor) with 1,300 Instagram followers**
- Mutual learning of students and requirements for experiment practices.
- **Students published 5G research papers.**

Wi-Fi LAN and WLAN infrastructure reconstruction

Cooperation Value

- Unifor integrates Huawei ICT Academy courses into teaching activities.
- Huawei provides end-to-end solutions from teaching to infrastructure.
- Access to Huawei's exclusive Wi-Fi 7 technology

Since 2022, Unifor has partnered with Huawei to utilize the Huawei ICT Academy's technical courses to train teachers, students, and administrative staff. In addition to our talent development collaboration, we are proud to be the first university in the Americas to adopt Huawei Wi-Fi 7. We believe that there is still a long way to go in deepening this relationship.

— **Milton Sousa, Vice President of Unifor**



Visit to Huawei openLab: The Unifor IT team visited the openLab in São Paulo to conduct a Wi-Fi smart campus survey.

Solution: Evaluate new technologies, cooperate with Huawei to build Huawei Unifor campus IT, Wi-Fi, LAN, and WAN infrastructure projects, and update teaching courses accordingly.



Unifor became the first university in the Americas to use Huawei Wi-Fi 7.

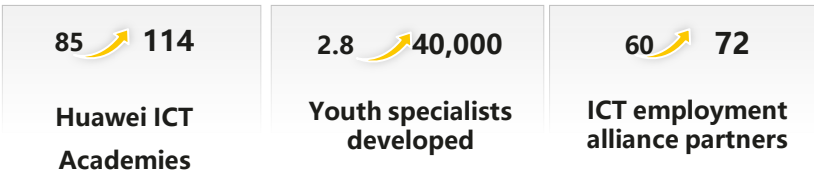
Case study | As a digital enabler, Huawei helps Egypt create a regional talent center to promote a positive talent, reputation, and business growth feedback loop

Background

President Sisi of Egypt has emphasized that talent has always been the core and pillar of development. Guided by the President's "Youth Empowerment" concept, Huawei is leveraging its ICT Academy to help Egypt strengthen its digital talent foundation and jointly establish a regional talent center.



Major progress in 2024



Minister of Communications and Information Technology of Egypt congratulated winners of the Huawei ICT Competition

On June 28, 2024, the Minister of Communications and Information Technology of Egypt met with the award-winning students and instructors from the Huawei ICT Competition 2023-2024, and presented awards to them, emphasizing the importance of cooperation between the Ministry of Communications and Information Technology and Huawei for the purpose of ICT talent development.



Minister of Labor of Egypt presented awards to Huawei ICT Talent Recruitment Alliance



On December 16, 2024, the Minister of Labor of Egypt attended Huawei's 5th HiRE job fair, commending top 20 enterprises and issuing employment contracts to hire professionals.



Case study | Yalova University in Türkiye: incorporating Huawei technologies into curricula to continuously cultivate talent in emerging technology industries

Background

- Founded in 2008, Yalova University is a non-profit public higher education institution located in Yalova, Türkiye and officially certified by the Yalova Higher Education Council.
- Situated next to the Technology Development Zone, Yalova University works with various institutions to provide students with various unique academic and non-academic learning devices and environments.

Cooperation Process

Huawei ICT Academy established in 2020



Achievements: trained 20+ teachers and 1,500+ students, covering computer networks, IoT, AI, and cloud.

Joining Huawei: 200+ students participated in internships at Huawei, with 78 joining Huawei afterwards.

Joining Huawei partners: 20+ students joined Huawei's sales partners.

Course integration in 2021



Course integration: Huawei open-source HarmonyOS based on mobile services and mobile programming Student Developer Community (HSD): Yalova students became Huawei Türkiye Student Developer Ambassadors

Developer contribution: 300+ students become HMS developers.

Huawei ICT Academy Support Center established in 2024



Course localization: HCIA-Cloud Service and HCIA-AI courses were localized in Turkish.

Cooperation with Ministry of Youth and Sports: cooperated with government agencies to train 50+ teachers through Huawei courses.

"Over the past three years, we have been actively promoting the Huawei ICT Academy to students and scholars. Moving forward, our goal is to expand this cooperation model to Yalova, other cities in Türkiye, and neighboring countries, allowing more teachers and students to access the latest Huawei ICT knowledge."

— Dr. Yunus Ozan

Most Valuable Instructor of Huawei Türkiye ICT Academy in 2024



Case study | Prince of Songkla University (PSU) in Thailand: building a public ICT training benchmark in Thailand

Customer Requirements



PSU is a key university in Thailand. It has a close relationship with the government and is responsible for regional talent development.

No. 6 2024 QS ranking in Thailand
No.1 in South Thailand

- PSU is responsible for developing ICT talent in **South Thailand** in order to address the ICT talent gap in digital economy development.
- It hopes to learn from China's "**public training base**" model to build a digital talent training base that integrates ICT hands-on training, industry-education collaboration, public knowledge popularization, and certification training.

Cooperation Process



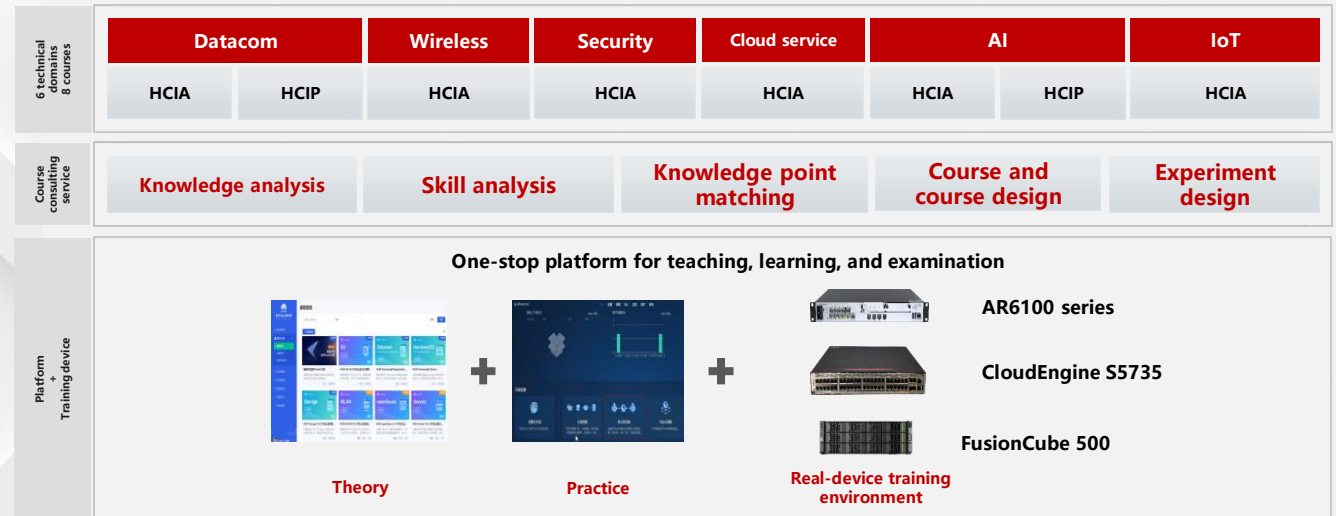
Huawei ICT Academy

Huawei ICT Academy (2019)
 ICT infrastructure
 ICT training room

Achievements

1,000+ trainees
 18+ teachers
 Three students joined Huawei.

Solution



Customer Benefits



Improving the skills of 10,000+ students in the support area



Enriching the supply of local ICT talent



Facilitating the development of employment/entrepreneurship opportunities related to emerging technologies.

Case study | Nigeria Ahmadu Bello University (ABU): enabling teachers in nearly 100 universities based on Huawei IASC

Background

- Nigeria has over 140 certified Huawei ICT academies, indicating a high demand for trainer training and academy courses. In order to better cater to the needs of the local industry and teachers, Huawei IASC ABU has provided training to teachers in nearly 100 Huawei ICT academies, greatly improving their operational efficiency.

Cooperation Process

Start



The ABU became a Huawei ICT Academy in 2018 and was authorized as the first IASC in Nigeria in 2021.

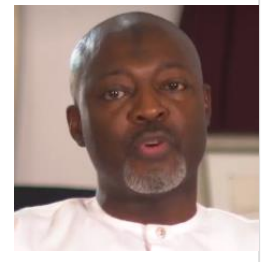


Achievements

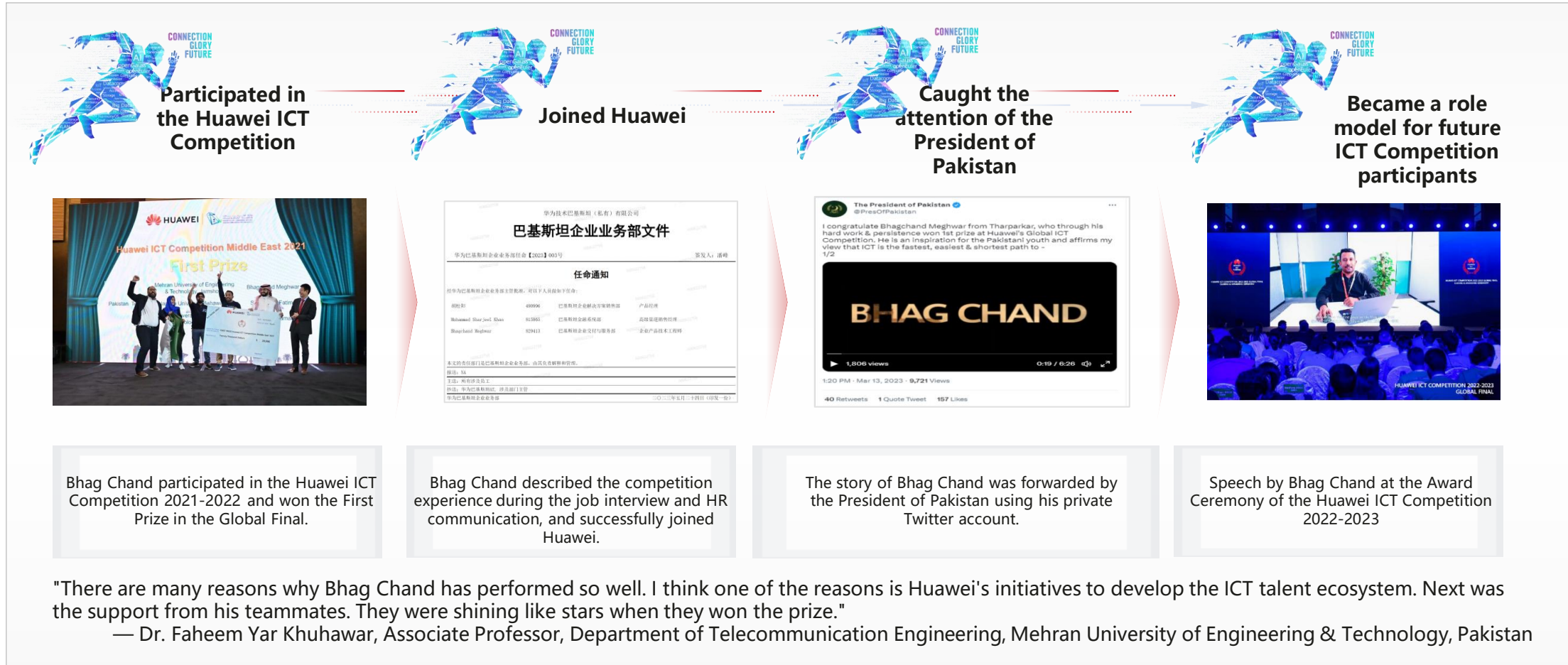
- ICT Academy support and development: As one of the top 5 universities in Nigeria, ABU has supported courses in 90 Huawei ICT Academies and has developed 20 new ICT Academies.
- "Train The Trainer" (TTT): ABU has delivered 13 TTT training sessions for over 290 teachers. 70+ teachers obtained the HCAI certification and 240+ students have been certified by Huawei.
- Huawei ICT Competitions: **Teams from ABU have won the Grand Prize in the Huawei ICT Competition Global Finals for four consecutive years.**
- Talent job fairs: Through talent job fairs, 50+ students obtained Huawei internship opportunities. 17 students were employed by Huawei, and 50+ by Huawei partners.

"Huawei is our strategic partner, and our collaboration has evolved from the ICT Academy to the IASC. Huawei has provided abundant learning materials and created a great platform for students to showcase their talent and acquire knowledge. We will make good use of Huawei's IASC resources to train more teachers and encourage more students to enter the ICT industry, thus bridging the gap between talent supply and demand in Nigeria's ICT industry."

– Prof. Mohammed Bashir, Ahmadu Bello University, Zaria, Nigeria



Case study | The story of Bhag Chand, First Prize winner of the Huawei ICT Competition 2021-2022



From Bahrain to Peking University: Huawei ICT Competition Helps Hisham Barakat Grow



Joins the Huawei ICT Competition



- In 2019, Hisham Barakat participated in the 5th Huawei ICT Competition and won second place in the Middle East Regional Competition and third place in the Global Final.
- During the Middle East Regional Competition, he came to China and visited Huawei's HQ in Shenzhen, expressing his hope for further studies in the country.



Studies in Peking University



- In 2022, Hisham Barakat worked as a project engineering intern in Huawei's Bahrain Rep Office for one year. Due to his excellent performance, he obtained a letter of recommendation from Huawei's Bahrain CEO and successfully applied for a Peking University scholarship.
- Now, he is studying AI at the School of Computer Science of Peking University.



Inspires others



- Hisham Barakat's story was recorded by Huawei and played at the 8th Huawei ICT Competition in the Middle East & Central Asia Region. His story was also shared widely across global social media platforms and republished by the international student official account of Peking University.
- In 2023, he attended Huawei's talent campaign during the COP 28 in Dubai and delivered a speech as a panel speaker.

"I am grateful to the Huawei ICT Competition for leading me to a wider world. Thanks to Huawei's talent activities, I have become a better version of myself. I hope to further improve my ICT skills and become a more confident and hardworking talent, and contribute to the digital transformation of Bahrain."

– Hisham Barakat

Special Issues | Global Talent Ecosystem



ICT Insights | Global Talent Ecosystem



HuaweiTech | Global Talent Ecosystem



HuaweiTech | Huawei ICT Academy

To be launched, stay tuned!

ICT Insights | Global Talent Ecosystem showcases the latest trends in the ICT industry, the importance of talent ecosystems, and successful examples of talent development and collaboration. It highlights Huawei's efforts to create a dynamic talent ecosystem through building talent alliances, establishing talent standards, enhancing talent capabilities, and promoting talent value. It also showcases Huawei's successful stories of sending numerous skilled professionals into the industry.

Published in March 2022

HuaweiTech | Global Talent Ecosystem gathers feedback and testimonials from Huawei, international education organizations, universities, partners, and customers. It provides a comprehensive insights into the current situation and trends in global talent development and showcases Huawei's talent ecosystem solutions and successful practices in a comprehensive way.

Published in May 2023

HuaweiTech | Huawei ICT Academy shares the collaborative cases between universities and Huawei through Huawei ICT Academies, insights into advanced teaching concepts, practical teaching cases, and success stories of winners in the Huawei ICT Competition. The Huawei ICT Academy serves as a hub for educators, students, and ICT practitioners to connect, learn, and be inspired.

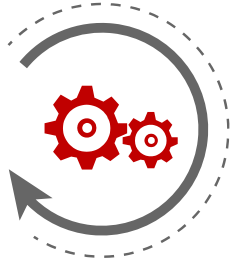
To be published in February 2025



05

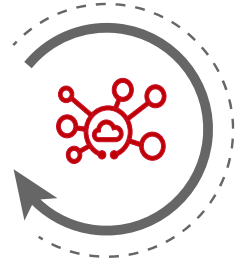
Join Us

Choose Huawei for a better future



Innovative Technologies

- Continuous R&D investment
- 5G/AI/computing/cloud/programming language courses/textbooks/certifications



Wide Coverage

- Education
- Transportation
- Finance
- ...



Leading Brand

- Ranked 44th in the Fortune Global 500
- One of the most popular employers in the world
- Deeply engaged with mainstream ICT enterprises in regional markets



Strong Support

- Exam vouchers/Teacher training
- Huawei ICT Academy Support Center (IASC)
- Huawei Talent platform
- Industry-University collaboration program



International Platform

- Huawei ICT Competition
- Talent job fairs
- International summits/alliances

Follow us

Huawei Talent Ecosystem Dissemination Platform



Huawei Talent
Official Website

One-stop service platform



Huawei ICT Academy
Facebook

Latest news and success stories of
Huawei ICT Academy

Thank you.

把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

Bring digital to every person, home, and
organization for a fully connected,
intelligent world.

**Copyright©2024 Huawei Technologies Co., Ltd.
All Rights Reserved.**

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

