

1. Record Nr.	UNINA9910765494203321
Autore	Zeng Haijun
Titolo	Constructing Regional Smart Education Ecosystems in China
Pubbl/distr/stampa	Singapore : , : Springer, , 2023 ©2023
ISBN	981-9962-25-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (217 pages)
Collana	Lecture Notes in Educational Technology Series
Altri autori (Persone)	LiZhisheng GuoJiong ZhangZhuo
Soggetti	Innovacions educatives Estudi de casos Llibres electrònics Xina
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Contents -- Part I Overview -- 1 Constructing Regional Smart Education Ecosystem: Policy, Technology, and Practices -- 1.1 Promote the Digital Transformation of Education and Build a Smart Education Ecosystem -- 1.1.1 Development Trend of Digital Education Transformation -- 1.1.2 Digital Transformation Toward Smart Education -- 1.2 The Construction Effect of Smart Education Demonstration Zone: Innovative Actions for the Development of Regional Education Informatization -- 1.2.1 Focus on Improving the Digital Ability of Teachers and Students, and Promote the Innovative Application of Intelligent Technology -- 1.2.2 Deeply Promote the Reform of Classroom Teaching and Construct a New Teaching Model -- 1.2.3 Data-Driven Educational Evaluation Reform to Support the Comprehensive Quality Evaluation of Students -- 1.2.4 Consolidate the Smart Interconnectivity of the Learning Environment, and Break the Barriers of Collaborative Education Between Family, School, and Community -- 1.2.5 Promote the Application of Smart Education Platform and Optimize the Regional Public Service Capacity -- 1.2.6 Intelligent Technology Empowers Educational Governance

and Promotes the Transformation of the Educational Organization --

1.3 Suggestions for Building a New Ecosystem of Regional Smart Education -- 1.3.1 Strengthen Evidence-Based Research and Guidance, and Further Promote the Project of the "Smart Education Demonstration Zone" -- 1.3.2 Promote the Demonstration Application of the National Smart Education Platform in the Region and Expand the Coverage of High-Quality Education Resources -- 1.3.3 Optimize the Planning and Layout of Educational Science and Technology Innovation Projects, and Promote the Two-Way Empowerment of Science and Technology and Education.

1.3.4 Deepen the Innovation of Regional Smart Education Development Mechanisms and Serve the High-Quality Development of the Economy and Society -- 1.3.5 Build a Regional Smart Education Brand and Disseminate Advanced Experience and Practices -- Part II Regional Construction -- 2 Data Empowerment and System Remodeling

Application -- 2.1 Background -- 2.2 Measures and Results -- 2.2.1 Regional Systematic Digital Transformation Empowered by "Data Brain" -- 2.2.2 Artificial Intelligence Boosts the Remodeling of the Education System -- 2.2.3 Smart Campus Innovation Based on the "Future School" -- 2.3 Promotion Mechanism -- 2.4 Experiences and Expectations -- 3 Group Intelligence Sharing Promotes Professional Development of Regional Teachers -- 3.1 Group Intelligence Sharing Promotes Professional Development of Regional Teachers -- 3.2 Innovate the "Group Intelligence" Mechanism -- 3.2.1 Innovate the Guarantee of Regional Maker Curriculum Mechanism. -- 3.2.2 Form a Curriculum System with Characteristics of Yuncheng -- 3.3 Build an Ecological Mechanism of "Group Intelligence" -- 3.3.1 Regularly Organize the Cultural Maker Activities. -- 3.3.2 Create a Maker Platform for Teachers to Communicate and Share. -- 3.4 Reflection and Expectation -- 4 Build a Smart Education Cloud Platform to Boost the Quality Development of Regional Education -- 4.1 Background -- 4.2 Major Measures -- 4.2.1 Constructing the Digital Base of Minhang Smart Education -- 4.2.2 Promote Data-Driven Individualized Teaching -- 4.2.3 Promote the Construction of Two Assistants -- 4.3 Effect and Achievements -- 4.3.1 Build a Digital Base with Cloud Platform as the Core -- 4.3.2 The First Step to Data-Based Large-Scale Individualized Teaching -- 4.3.3 Promoting Modernization of Education Governance Based on the One Network Office. 4.3.4 Promoting the Construction of Informatization Benchmark School Based on Eight Application Scenarios -- 4.4 Problems and Experience -- 5 Practice and Exploration of Digital Transformation of Integrated Education Between Schools and Urban Areas in Hanyang District -- 5.1 Improve the Smart Environment and Promote the New Infrastructure of Smart Education -- 5.2 Promote Smart Teaching and Lead the New Reform of Classroom Mode -- 5.2.1 A New Model of Smart Classroom -- 5.2.2 A New Path of Innovative Education -- 5.2.3 New Exploration of Virtual Experiment -- 5.2.4 New Attempts of Service in the Context of "Double Reduction" -- 5.3 Innovate Management Mechanism and Explore the New Normal of Smart Education -- 5.3.1 Collaborative Innovation from 5 Directions -- 5.3.2 Five Initiatives: Integration of District and School -- 5.3.3 Comprehensive Research and Training in One Center -- 5.4 Relying on the Innovation Pilot, Create a New Model of Smart Education -- 5.5 Look Forward to the Future and Build a New Ecology of Quality Education -- 6 Smart Education Promotes the Revitalization of Rural Education -- 6.1 Overview of Education in Liuyang -- 6.2 The Main Solutions -- 6.3 Work Measures and Promotion Mechanism -- 6.3.1 Create a Strategy-Driven Engine for the Digital Transformation of Education -- 6.3.2 Create a Digital

Driven Situation of Rural Information Teaching -- 6.3.3 Construct a Mechanism-Driven Ecology of Smart Education in Liuyang -- 6.4 Achievements and Experience -- 7 Smart Education Promotes the Practice of Urban-Rural Integration -- 7.1 Baiyun District with Dual Structure of Urban and Rural Areas -- 7.1.1 Education Status and Problems in Baiyun District -- 7.1.2 The Solution of Urban-Rural Dual Structure Education Governance -- 7.2 Practical Case Based on Regional Cloud Platform -- 7.2.1 Special Education in Urban Schools.

7.2.2 Solve the Shortage of Rural Educational Resources -- 7.3 Creating Teaching Cases with Local Characteristics -- 7.3.1 "Smart Pen and Paper" Helps Students Learn Effectively -- 7.3.2 Normal Application of Smart Classroom on Campus -- 7.4 Cases of Promoting the Balance of Regional Educational Resources -- 7.4.1 "Three Classrooms" to Promote the Rational Flow of Regional Educational Resources -- 7.4.2 Regional Online Joint Research to Help Share Resources -- 7.5 Keep Pace with Urban and Rural Areas -- 8 Focus on the Change of Learning Style and Promote the Practice of "New Three States" in Education -- 8.1 Regional Background -- 8.2 The Construction Path -- 8.2.1 Identify One Core -- 8.2.2 Construct a Base -- 8.2.3 Provide Three Types of Services -- 8.3 Safeguard Mechanism -- 8.4 Practical Results -- 8.4.1 The New Ecology of Smart Teaching -- 8.4.2 New Form of Intelligent Governance -- 8.4.3 New Patterns of Educational Services -- 8.5 Summary -- 9 Create National Smart Education Demonstration Zone to Promote Digital Transformation -- 9.1 Regional Integration, Quality Balance -- 9.1.1 Building a Basic Support System for Smart Education -- 9.1.2 Creating a Full-Scene Application Model for Smart Education -- 9.2 Regional Governance and Characteristic Leadership -- 9.3 Innovation and Development -- 9.3.1 Smart Environment Construction -- 9.3.2 Smart Teaching -- 9.3.3 Smart Examination -- 9.3.4 Smart Evaluation -- 9.3.5 Smart Management -- 10 Drive the High-Quality Development of Education with Data, and Accelerate the Construction of a New Ecology of Smart Education -- 10.1 Upgrade in an All-Round Way, and Continuously Consolidate the Foundation of Smart Education Construction -- 10.2 Draw a Blueprint, and Make Overall Plans for Smart Education -- 10.3 Condense Practice and Explore Education Data Governance Methods. 10.3.1 Building a Data Center to Carry Out Preliminary Governance -- 10.3.2 Optimizing Data Flow to Help Mechanism Reform -- 10.4 Empower Innovation and Explore New Modes of Data Application -- 10.4.1 Building Special Curriculum Data to Improve the Information Literacy of Teachers and Students -- 10.4.2 Sharing Quality Data and Universal Resources for "Thousands of Miles" -- 10.4.3 Grasp Dynamic Data to Optimize Teaching -- 10.5 Leading Education Big Data Governance with the Construction of Smart Education Demonstration Zone -- 11 Technology-Enabled Project-Based Learning: Let Every Child Embrace "Good Learning" -- 11.1 Story of Development -- 11.2 The Constant Exploration -- 11.2.1 Systematic Resource Co-construction -- 11.2.2 Literacy-Oriented Learning Path Reconstruction -- 11.3 Tangible Growth -- 11.3.1 Embrace a More Comprehensive and Individual Self -- 11.3.2 Meet a Fairer and More Promising School -- 11.4 A Better Future -- 11.4.1 Experience that Can Be Used for Reference -- 11.4.2 The Promising Future -- 12 "Six Actions" to Promote the Iterative Upgrade of Smart Education -- 12.1 Background -- 12.2 Draw a Blueprint -- 12.3 The Practical Results -- 12.3.1 The Overall Formation of the "Big Community" Platform Promotion Mechanism -- 12.3.2 "Digital Brain" Drives the Overall Intellectual Governance of Education -- 12.3.3 "Digital Portrait"

Empowers the Iterative Upgrade of Smart Campus -- 12.3.4 Intensive Digital Resource Supply of "One Map of All People's Smart Learning" -- 12.3.5 Popularize Artificial Intelligence Education and Cultivate Students' Innovative Quality -- 12.3.6 "One Platform, Four Abilities" Empowers Teachers to Improve Their Ability -- 12.4 Experience -- 13 Construction, Application Practice of "Smart School" Based on "Government-Enterprise-School-Research" Collaboration.
13.1 The Construction Background of "Smart School" in Bengbu.
