4th International Conference on New Media Development and Modernized Education (NMDME 2024)

Advances in Intelligent Systems Research Volume 188

Xiamen, China and Online
18 - 20 October 2024

ISBN: 979-8-3313-1064-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Print copyright© (2024) by Atlantis Press (part of Springer Nature)
All rights reserved.
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press
Van Godewijckstraat 30
3311GX Dordrecht
The Netherlands

contact@atlantis-press.com

Printed with permission by Curran Associates, Inc. (2025)

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Switch to Language Oriented Approach of Teaching Programming Skills 1
Bauminwood

Design and Implementation of Ideological and Political Education in the Curriculum Based on Constructivist Learning Theory——Taking "Introduction to Artificial Intelligence and Big Data" as an Example 9
Xiaoxiao Chen

Exploration and Practice of the Course "Case Analysis of Oil and Gas Storage and Transportation Engineering" Under the Background of Educational Informatization 17
Wei Sun, Zhihua Wang, Yan Ma

Transformation and Upgrading of New Liberal Arts Professional Clusters Based on Modern Industrial Colleges 25
Guojun Sheng, Mingjing Gao, Chuanlin Huang

Constructing an Adult Human-Computer Collaborative Teaching Model from the Perspective of Ecological Systems Theory 34
Xiaowen Duan

Exploration of Innovative Talent Training Models for Accounting Majors in Industry-Oriented Universities in the Era of Digitalization and Intelligence–Taking Jiangsu University of Science and Technology as an Example 52
Qian Han, Dongdong Li, Mengjun Xu, Tao Zhang, Xiuping Wang, Xiaoya Xu

Enhancing Classroom Participation Through OMO Learning Mode 65
Kankan Zhang, Liang Yang

Design of AI-Based Personalized Interdisciplinary Animated Micro-Courses 74
Qinheng Zhao, Ping Liu, Changna Qian

Research on the Competency Evaluation and Enhancement Mechanism of Graduation Thesis Guidance Teachers in Heilongjiang Province 82
Yingying Sun, Kejia Zhang

Exploration of Diversified Major Practice Course System 89
Jinmin Zhang, Jiangang Li, Ruining Huang

The Influence of Student Translators' Electronic Dictionary Use on English-Chinese Translation Processes: Influence of Electronic Dictionary Use on Translation Processes 98
Feng Li, Wei Xiao

Research on the Teaching Design of Task-Driven Pedagogy in the Course of "Graphic and Image Processing" in Secondary Vocational Education 108
Deguo Yang, Xue Wu

Research on the Innovation of Judicial Assistance for Minors Promoted by Digital Technology in China 116
Yue Li, Qi Su

Analysis of Effort and Tacit Knowledge Diffusion 124
Yu Zhang, Qinghe Pan, Wenmin Wu, Yaoqun Xu, Junling Li

Learner-Centered Teaching with Gamification in Practical Training of Optical Fiber Fusion Splicing for New Employees of State Grid 136
Han Zhang, Weijie Chen, Yanheng Zhao, Guangpeng Liu, Chao Liu, Qiang Zhang

Research on Teaching Methods of Big Data Major Courses Under the Background of "Four New Disciplines" Construction 148
Tiemin Ma, Xue Wang, Zhengguang Chen, Shuo Liu, Shuxin Yin

Research on the Dilemma of "For-Profit Vs. Non-Profit" in Private Colleges and Countermeasures: Based on SWOT Analysis and Policy Implementation Fit Model 156
Zheng Hu

Research on the Design of Micro-Courses for Normal University Students 172
Xinhai Xu, Huangshang Xu

Comprehensive Measures for Enhancing the Innovative Capabilities of Mechanical Engineering Professionally-Oriented Graduate Students Through Tripartite Collaboration Between Local Government, Universities, and Enterprises 179
Yulan Wei, Kunying Ding, Qingzhu Zhang, Zhiyong Ma, Bing Li

Research on Marxist Classics Education Based on Deep Learning Under e-Education 189
Yige Qiao

Effectiveness, Challenges, and Innovative Pathways of Digital Teaching in College Ideological and Political Courses 196
Danming Yang, Jinhe Wu, Wenxi Tan

Research on the Construction of Incorporating Multimodal Large Models into the BOPPPS Teaching Model 204
Danyang Liu, Weiwei Lian, Xianglian Jin

The Transformation of Vocational Education in the Context of Deep Learning Theory: Actual Dilemma and Practical Path 214
Shenzhu Li

Exploration of the Ideological Dynamics Among University Students and the Establishment of a Normalization Research Mechanism 223
Huaiyu Cai, Aohan Zhou, Zhuoran Qu, Yuyang Jia

Exploration of OBE-Based Smart Classroom Teaching Mode in Application-Oriented Universities—Taking "Data Structures and Algorithms" as an Example 232
Chen Zhang, Xin Zhang, Zhi Cheng, Chunling Hu, Jing Tu

The Application of Multi-Criteria Fuzzy Evaluation Method in the Evaluation of Healthy Social Mentality of New Era College Students 240
Ziyang Chen, Xiaolei He, Quanfa Lang

A Practical Ability Training System for Graduate Students Majoring in Civil and Hydraulic Engineering Based on Professional Competence Characteristics 250
Fang Liu, Jian Wu, Shaojun Fu, Yuqian Wang, Xinxiao Chen, Gang Li

Research on Cultural Identity and Consumer Behaviour from the Perspective of Modern Aesthetics: An Innovative Exploration of Chaoshan Kueh as an Example 263
Geshuo Cao, Qiyu Peng, Jun Guo, Yachu Chan

Research on Multi-Dimensional Synergistic Training Model for Electronic Information Master's Program in Beijing-Tianjin-Hebei Region 273
Jianhong Zhang, Wenle Bai, Menglong Wu

A Survey on the Current Situation of Digital Literacy of Secondary School Teachers in Ethnic Areas and Strategies for Improving It--Liangshan Yi Autonomous Prefecture as an Example 280
Zhitong Liu

Research on the Construction of an Indicator System for the Academic Career Development of University Faculty 288
Yuxuan Liu

Research on the Design of Ideological and Political Teaching System in Statistics Course Based on OBE Concept 296
Ruiping Huang, Yan Liu, Wenhui Hao

Virtual Reality in Education: Breaking Through Tradition and Leading the New Trend of Future Learning 306
Wuxia Yan, Mingyang Kou

The Exploration of the Information Mixed Teaching Mode of Ideological and Political Education in the Basic Course of Mechanical Design 313
Zhenzhen Qu

The Application of Digital Transformation in Financial Engineering Education: Innovative Exploration of Teaching Models and Learning Outcomes 320
Zebin Liu, Xiaoheng Zhang, Lei Shen, Yi Zhou

Teaching Reform and Practice of "Linux Principle and Application" Based on CDIO Concept 327
Yukun Li

In the Era of Artificial Intelligence, How to Cultivate Students' Creativity 337
Weini Weng, Xingli Zhang

Research on Innovation of Engineering Training Project Teaching Mode in Ordinary Colleges and Universities 347
Mingcheng Ling, Yuxi Yang, Ming Wan, Weimin Qi

The Theory and Practice of Integrating Mathematical Modeling Thought into College Mathematics Based on Constructivism Viewpoint 358
Jian Du, Ying Liu

Analysis and Reflection on the Practice of Online-Offline Blended Learning Mode 367
Hu Jin, Li Jiang, Hui Feng, Feng Qian

Factors Affecting the Acceptance of Virtual Digital Human Technology in Live Broadcasting Settings Based on the UTAUT Model 374
Xingxing Lu, Ziyu Zhou, Yang Bai

Course Design for "Textile Fiber Science" Based on Interdisciplinary Integration Teaching Method 383
Changhuan Zhang, Weidong Zhou, Wenqing Wang, Yuan Tian, Yang Wang, Yi Huang, Zhongkai Yang, Liran Zhang

Research on Information System Analysis and Design Curriculum Teaching Innovation Based on Design Thinking 390
Yumin Li

Research on the Application of Co-Branded Packaging of Lukin Coffee from the Perspective of Peirce Semiotics 397
Shana Wang, Man Xi

Research on Brand Enhancement Strategies for Private Universities Based on the Consumer-Based Brand Equity Model: A Case Study of a Private University in Sichuan 408
Yufei He, Linglin Su, Haibin Zhou

Training of Outstanding Talents in Cyberspace Security Under the Background of Digital Intelligence 424
Jinqiang Ma, Zheng Li, Yan Bi, Bo Zhang

Design and Exploration of the Immersive Interactive Case Teaching Mode Based on Scene Driving in Higher Vocational Education 433
Junda Cheng, Weiting Lin, Yulong Zhao, Weijie Sun, Shuangquan Luo

An Empirical Study on Influencing Factors of Online Effective Teaching in Mixed Teaching Mode 441
En Guo, Yuejie Zhong

Reform and Practice of Reservoir Geology Course Teaching Under the Background of Educational Informatization 450
Hang Fu, Yilin Li, Yunfeng Zhang, Yan Ma

Towards a Sense-Making Approach to Translation: A Case Study 458
Youbin Chen, Yi Zuo, Hong Yun

A Study of Spatial Guidance in Narrative VR Animation Under Cognitive Psychology 467
Deng Pan, Wanqing Lin, Xin Guo

Research on the Construction Path of Bilingual Dual-Teacher Team Under the Background of Vocational Undergraduate 479
Maomei Wang, Qingsong Zhu

Integrating Ideological and Political Education into Experiential Case Teaching Reform 489
Lei Shen, Hanqiao Tang, Zebin Liu, Yi Zhou

A Survey of Students' Satisfaction with ESP Courses Within EMI Contexts at a Chinese University 496
Xiaoxiao Zhang, Yang Shao

Balancing Game Experience and Educational Effectiveness of Serious Games: A Case Study on Cyber Violence Prevention 511
Zimo Zhang, Baiheng Liu

Study on the Impact of Media Use on Youth Political Trust--An Empirical Study Based on China's 2019 Survey on Internet Users' Social Consciousness 521
Jingxie Zeng, Mingyue Sun

Research on Digital Logic Circuit Teaching for Training System Abilities in Computer Science Majors 534
Shanmei Liu, Ruifang Zhai, Hui Peng

Research on the "Virtual Reality Integration" Hybrid Practical Teaching Mode of the Electronic Circuit Courses Group Based on CDIO 542
Jing Fang

Design and Implementation of Clothing Three-Dimensional Cutting Course Based on Online Learning Platform 549
Chenming Wang

Exploration of Hierarchical Teaching Method for "fundamentals of Mechanical Engineering Control" 556
Yi Li, Shuo Yang

The Exploration of Project-Based Teaching in Mechanical Principles Course Design Based on the Progressive Learning Theory 570
Shaojia Huang, Zifeng Zhao, Lijie Gao, Sinuo Su

The Exploration and Practice of BOPPPS-Based Blended Teaching in Power System Analysis Course Based on OBE Philosophy 577
Jiayang Tong

Peer-Review Statements 587
Jun Yin, Yuan Zhang, Nazgul Shyngyssova, Chanjun Liu

Research on Integrity Examination Management for Students in Private Universities 590
Yueliang Cai

The Construction and Practice of Power Grid Planning Curriculum Training System 597
Jing Liu, Haifeng Li, Jing Wang

Relationship Between the Dimensions of Professional Development Among Female Teachers in Rural Primary Schools in Guangxi, China 606
Hong Yu

Is There Competition Between WeChat and QQ? --Based on Niche Theory Exploration 616
Yang Jing, Zhang Chen

Systematic Review of Collaborative Learning Influencing Factors and Outcomes in Primary Science Education 626
Bingxue Liu, Ying Xu, Ziqian Wan

Application of Artificial Intelligence in Computer Programming Education 635
Junhao Su

Developing New Quality Productive Forces and Cultivating High-Quality Applied Talents—Exploration and Practice of "one Heart, Three Drives, Four Rings" Object-Oriented Programming Technology First-Class Course Construction 643
Jianna Su, Ren Na, Song Guo

Computer AI-Assisted Higher Vocational English Teaching in the Development of Global Competence in Nautical Professions 652
Jie Wang

The Application of Digital Media Technology in the Innovation of Red Culture 659
Meng Zhang, Yang Cao, Zongyu Ma

How to Make Metaverse Popular in Higher Education - A Survey in Henan's University 671
Cheng Li, Norhanim Binti Dewa

Design and Application of Micro-Class Based on the Course of Sensor and Detection Technology 679
Meixia Chen, Junying Feng

Research on the Construction and Practice of Software Engineer Talent Cultivation Mode Based on FDDD Against the Background of New Engineering 693
Sha Qiu, Bo Duan, Jiangli Chen, A. Yuan

Integration of Meizhou Red Culture into Kindergarten from Children's Perspective a Strategic Study of Outdoor Activities 701
Qingzhen Xiong, Churou Gong, Yuantong Wu, Wei Bi

Author Index