2024 International Conference on Applied Mathematics, Modeling and Computer Simulation (AMMCS 2024)

Big Data Technology Major Based on the OBE+ADDIE Model Digital

resource construction

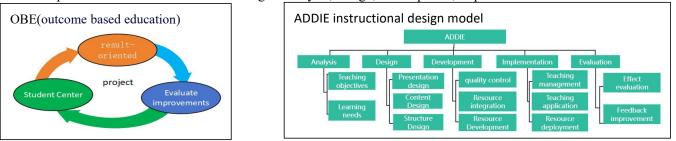
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Introduction

1.OBE achievement oriented education is a student-centered, learning achievement oriented, continuous improvement and innovation education concept; ADDIE model includes five stages: analysis, design, development, implementation and evaluation



2.Demand analysis of big data technology professionals

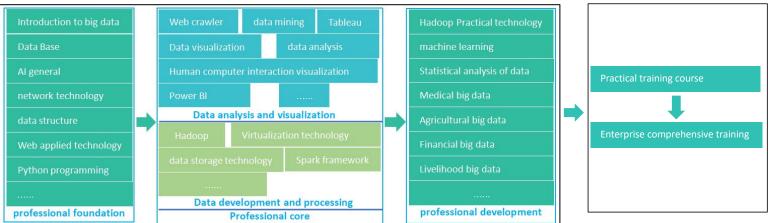
2024-7-2 09:15:56 Monday	Talent demand capability a	analysis		
Job Analysis		Current student competency		
	Job Requirement Analysis		data processing	data visualization
Big data analyst Data schitter	TOP 01 Big data analyst 1625 TOP 02 Data visualization expert 1603		data muning	
	TOP 03 Data annotator 1547 TOP 04 Data architect 750	Students have not mastered the skills		
Data Engineer Data Governance Expert	TOP 05 Data Governance Expert 149 TOP 06 Data Engineer 86	machine learning	data cleaning	

Research objectives

Based on the "OBE+ADDIE" mode, the three core five stage teaching design idea is adopted to build a digital intelligent teaching platform

Methods

1. Establishment of digital curriculum system under the framework of OBE



2. Student achievement evaluation formula: $S = k_1A + k_2B + k_3C + k_4D - k_5E$

3.Teaching evaluation formula: 教学成绩 = 学生学习成绩权重 × 40% + 教师教学评价权重 × 30% + 教学态度权重 × 20% + 教学方法权重 × 10%



2. Display of teaching achievements



Conclusions

- 1.Sharing learning resources
- 2.Improve teaching efficiency and effect
- 3.Digital transformation of teaching evaluation
- 4.Digital transformation of teaching management

Acknowledgement

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