

## The Changing Role of Technology-Enhanced University Library Reform in Improving College Student Learning Experience and Career Readiness - A Qualitative Comparative Analysis (QCA)

**Authors :** Xiaohong Li, Wenfan Yan

**Abstract :** Background: While it is widely considered that the university library plays a critical role in fulfilling the institution's mission and providing students' learning experience beyond the classrooms, how the technology-enhanced library reform changed college students' learning experience hasn't been thoroughly investigated. The purpose of this study is to explore how technology-enhanced library reform affects students' learning experience and career readiness and further identify the factors and effective conditions that enable the quality learning outcome of Chinese college students. Methodologies: This study selected the qualitative comparative analysis (QCA) method to explore the effects of technology-enhanced university library reform on college students' learning experience and career readiness. QCA is unique in explaining the complex relationship between multiple factors from a holistic perspective. Compared with the traditional quantitative and qualitative analysis, QCA not only adds some quantitative logic but also inherits the characteristics of qualitative research focusing on the heterogeneity and complexity of samples. Shenyang Normal University (SNU) selected a sample of the typical comprehensive university in China that focuses on students' learning and application of professional knowledge and trains professionals to different levels of expertise. A total of 22 current university students and 30 graduates who joined the Library Readers Association of SNU from 2011 to 2019 were selected for semi-structured interviews. Based on the data collected from these participating students, qualitative comparative analysis (QCA), including univariate necessity analysis and the multi-configuration analysis, was conducted. Findings and Discussion: QCA analysis results indicated that the influence of technology-enhanced university library restructures and reorganization on student learning experience and career readiness is the result of multiple factors. Technology-enhanced library equipment and other hardware restructured to meet the college students learning needs and have played an important role in improving the student learning experience and learning persistence. More importantly, the soft characteristics of technology-enhanced library reform, such as library service innovation space and culture space, have a positive impact on student's career readiness and development. Technology-enhanced university library reform is not only the change in the building's appearance and facilities but also in library service quality and capability. The study also provides suggestions for policy, practice, and future research.

**Keywords :** career readiness, college student learning experience, qualitative comparative analysis (QCA), technology-enhanced library reform

**Conference Title :** ICETE 2023 : International Conference on Education, Teaching and E-learning

**Conference Location :** Singapore, Singapore

**Conference Dates :** November 27-28, 2023