

Conclusion:

Creating Better Teaching and Learning Environments by Focusing on Teaching and Learning

Charlotte Baker

Virginia Polytechnic Institute and State University, USA

Rebecca J. Blankenship

Florida Agricultural and Mechanical University, USA

EXECUTIVE SUMMARY

In this summary, authors Charlotte Baker and Rebecca Blankenship provide an overview of the cases and their impact on the overall DLI initiative. They also explore similar initiatives at other colleges and universities and how these technical transformations are changing the higher education teaching and learning culture. The authors examine the DLI in terms of other short-term, mid-term, and long-term goals as noted in the 2019 Horizon Report and how the DLI initiative can be used as a vehicle to actuate an ongoing culture of innovation and digital transformation in colleges and universities across the country.

TECHNOLOGICAL GAPS AND CHALLENGES

Technology permeates nearly every aspect of life in the United States in the 21st Century. Smartphones, computers, digital streaming of theater and music, and even auto-responding cars and refrigerators are ubiquitous. While this digital technology has moved very quickly through society, its integration into education has been slow and, at times, inequitable. Issues such as access to digital technology tools such as computers and knowledge of how to use these tools continue to be barriers for institutions, professors, and students. These issues must be dealt with and the gap shortened as we move forward. More and more jobs and careers rely on students having some level of digital knowledge and ability and thus to be equally prepared as any other candidate, the courses they take must be on par. While a panacea may not exist to bridge the digital divide within Historically Black Colleges and Universities (HBCU) (NAFEO, 2019) or reduce the need for financial aid that many students at HBCUs require for attendance (Holland, 2019), there are ways to address some of the very important issues that can significantly reduce the gap.

As clearly delineated in the introduction of this book, there are many challenges facing faculty in higher education and many on-going and constantly evolving changes that universities and faculty must face in higher education daily. The use of various pedagogical methods to digitally address higher educational populations is not a new concept (Boston University, 2019; UC Berkley, 2019). However, the Digital Learning Initiative at Florida Agricultural and Mechanical University (FAMU), as described in Chapter 2, is unique in its approach to take higher education professionals at an HBCU in a variety of roles across the institution and teach them to improve their educational methods. These roles varied from undergraduate professors to graduate and clinical professors, people who had previous educational training and those who did not, those who had taught for many years and those who had not, and those who were digitally comfortable and those that were not. The diversity among the DLI fellow participants clearly represents that the challenge in higher education of harmonizing teaching and learning within the digital era is not unique to one discipline over another. Rather, it is a pervasive challenge manifesting in multiple professions as the 21st century global economy increasingly demands employees who are not only versed in

8 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/conclusion/232543

Related Content

Data Mining for Lifetime Value Estimation

Silvia Figini (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 431-437).

www.irma-international.org/chapter/data-mining-lifetime-value-estimation/10856

Data Transformation for Normalization

Amitava Mitra (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 566-571).

www.irma-international.org/chapter/data-transformation-normalization/10877

Architecture for Symbolic Object Warehouse

Sandra Elizabeth González Císaro (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 58-65).

www.irma-international.org/chapter/architecture-symbolic-object-warehouse/10798

Web Design Based on User Browsing Patterns

Yinghui Yang (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 2074-2079).

www.irma-international.org/chapter/web-design-based-user-browsing/11105

Text Categorization

Megan Chenoweth and Min Song (2009). *Encyclopedia of Data Warehousing and Mining, Second Edition* (pp. 1936-1941).

www.irma-international.org/chapter/text-categorization/11084