

Individual Digital Study Assistant for Higher Education Institutions: Status Quo Analysis and Further Research Agenda

Christin Karrenbauer, Claudia M. König, and Michael H. Breitner

Leibniz Universität Hannover, Information Systems Institute, Hannover, Germany
{karrenbauer, koenig, breitner}@iwi.uni-hannover.de

Abstract. Today, digital assistants can support students during their studies. A quick and easily useable and accessible information transfer, individually tailored to the students' needs is required. Individual educational biographies and an increasing number of students require individual information provision and advice. Research on digital assistance systems has increased dramatically over the past decade. We focus on the individual digital study assistant (IDSA) field with its functionalities embedded in a typical student life cycle (SLC). In order to determine the status quo of DSA, we conduct a literature review with a focus on their functionalities. One research finding indicates that the DSA field generates a wide range of DSA functionalities. We structured them developing a morphological box. Finally, we discuss a further research agenda for the development, adaption, introduction, and success of IDSA.

Keywords: Literature Review, Student Life Cycle, Individual Digital Study Assistant, Morphological Analysis, Further Research Agenda