CONTEXT AWARE UBIQUITOUS LEARNING MILIEUS IN DISTANCE LEARNING

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ABSTRACT

Problems such as temporal and spatial limitations imposed by traditional learning environments can be overcome by distance learning environments. Thanks to e-learning environments, in particular, learners can access learning resources anywhere and anytime they like without being subjected to the limitations of time and space. Orientations in e-learning environments can also change in parallel to the developments in information and communication technologies. As a result of the technological advancements, which have been being accelerated since the first quarter of the 20th century, detection technologies such as radio frequencies have also begun to be used in learning environments. Thanks to detection technologies, it is possible to detect locations of learners in the spatial dimension and provide them with the necessary learning contents simultaneously. It is seen that context-aware ubiquitous learning (u-learning), which engages detection technologies, encompasses mobile learning (m-learning) and e-learning environments. This study, which is based on context-aware ubiquitous learning environments, aims to examine and explain the contributions of context-aware ubiquitous learning environments to distance education systems and learners. In accordance with this aim, qualitative interviews were made with specialists of the relevant fields to get their opinions regarding how context-aware ubiquitous learning environments could be used, and some suggestions regarding the use of context-aware ubiquitous learning environments in learning processes were made based on the themes that emerged as a result of these interviews.

Key Words: Context-aware Ubiquitous Learning, Ubiquitous Learning Technology, Internet-based Learning Environments.