Multimedia and the Digital Immigrants' Teaching Competencies Toward a Skills Training Program

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Abstract

This study focused on the application of multimedia in terms of audio and visual for information processing, creating mental representations from the information sources, active process of filtering, selecting, organizing, and integrating information. It also dealt with the level of teaching competencies of digital immigrant' teachers as assessed by respondents in terms of Showing skills in the positive use of ICT, Ensuring the positive use of ICT, promoting effective strategies in the positive use of ICT, and Mentoring colleagues in the implementation of policies to ensure the positive use of ICT. A quantitative research design was used in this study. A total of 40 teachers were considered. A purposive sampling technique was employed. Weighted mean, standard deviation, and Spearman Rho were used as statistical tools. Based on the findings, the relationship between the use of multimedia and the teaching competencies of digital immigrants has a "Very Strong Relationship", "Strong Relationship", "Very Strong Relationship", and "Moderate Relationship" with R-values to .705, .654, .734, and .496 respectively. The Spearman Rho p-value is equivalent to 0.000 for showing skills in the positive use of ICT, ensuring the positive use of ICT, promoting effective strategies in the positive use of ICT, and Mentoring colleagues in the implementation of policies to ensure the positive use of ICT which is less than 0.05 significance level, which means that there is a significant relationship between the use of multimedia and the teaching competencies of digital immigrants. It can be concluded that digital immigrant teachers should actively engage in the positive use of ICT in teaching-learning processes, ensuring its constructive impact. Also, the school administrators must invest in advanced technology specifically in the audio-visual equipment to improve the audio and visual information processing. Teachers' training about ICT and designing interactive and engaging lesson plans and materials are recommended.

Keywords: multimedia, digital immigrants, teaching competencies, positive use of ICT, skills training program