Technical and Pedagogical Considerations in Producing Screen Recorded Videos

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Abstract : Due to the COVID-19 pandemic, its impacts on education all over the world and the problems arising from the use of traditional methods in education, it was necessary to apply alternative solutions to achieve educational goals. In this regard, electronic content production through screen recording and giving educational services in virtual classes became popular among many teachers. But the production of screen recorded videos involves special technical and educational considerations so that educators could be able to produce valuable and well-made videos by taking those considerations into account. The purpose of this study was to extract and find the technical and educational considerations of producing screen recorded videos to provide a useful and comprehensive guideline for e-content producers to enable them to produce high-quality educational videos. This study is fundamental research and data collection has been done using the Delphi method. In this research, an attempt has been made to provide the necessary criteria and considerations regarding the design and production of screen recorded videos by studying the literatures, identifying and analyzing learners' and teachers' needs and expectations, reviewing the previously produced videos. The results of these studies led to the finding and extracting 129 indicators in the form of 6 criteria. Such considerations are expected to reduce production and editing time, increase the technical and educational quality, and finally facilitating and enhancing the processes of teaching and learning.