A Systematic Review: Technologies Can be Used to Develop an E-Guide Application for Dancers

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Abstract. Dance is a popular performing art that is highly practiced by the people of Sri Lanka. It is expanded through the vast area as there are many dancing styles. Among them, Traditional dancing which was originated in the 4th century B.C. is the most popular dancing style in Sri Lanka. Though it is highly developed throughout the years, novel technologies aren't much engaged with the development of dancing. Therefore, Sri Lankans still use ordinary methods even for finding choreographers, dance track editors, props providers, and costume providers. These have become the most common problems of Sri Lankan traditional dancers. Although there are many computerized solutions to give support for western dance styles from other countries, there is no such support for Sri Lankan traditional dancing. As a computer-based solution for these problems., the information-providing website was suggested and this systematic review is conducted to select the most appropriate technology for it. As there is not even a proper database that contains data about Sri Lankan dance choreographers, Costume Providers, Props providers, and Track editors yet in an accessible source for all public users, the main objective of this website is to provide such a database to Sri Lankan dancers with easy access to the data. This paper discusses the earlier works done by various researchers regarding several similar automated Systems implemented using technologies such as web intelligence, agent technology, and artificial intelligence. Implementation details, various concepts, classifications, the advantages and drawbacks of those technologies are discussed, and by analyzing all, selected agent technology and artificial intelligence as the best technologies to implement an e guide web application for dancers.

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