Abstract

The web-based learning system has emerged as a new means of skill training and knowledge acquisition, encouraging both academia and industry to invest resources in the adoption of this system. Users have been widely recognized as being a key group in influencing the adoption of such systems. Thus, their attitudes toward this system are pivotal. It is required to design the web layout to user satisfaction based on the fields of human–computer interaction and information systems. Cognitive theory is widely used to predict the effectiveness of the web based and multimedia learning. Questionnaires are one common form of measuring cognition. This study investigates to identify a user’s need based on the cognitive behavior of the user based on the questionnaire. The cognitive attributes are used as the training input for the Multilayer Perceptions and proposed parallel Neural Network.

References

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Index Terms

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Keywords

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