

User Acceptance Model Questionnaire Generator for Information System Applications

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Abstract:

To foresee users' behavior, Technology Acceptance Model (TAM) and theories applied in different fields were evaluated to understand factors influencing IT adoption. This study analyzed TAMs used in various IT fields where information systems are being adopted and created an application to generate a user acceptance questionnaire for use in the conduct of user acceptance studies. These are based on key variables targeted by acceptance models that were already proven effective. In developing the software, questions relating to each attribute are compiled into one database, tagging each attribute to the model so users can select and view which question corresponds to that attribute. Sample questions can now be generated and exported to a word processor. The User Acceptance questionnaire generator was successfully developed based on variables and attributes from famous technology acceptance models. The software also passed the test results conducted for every functional requirement. Considering the abovementioned observations, reluctance to embrace and utilize information systems may be minimized by doing a user acceptance study utilizing the questionnaires exported from the generator. For improvement, other researchers may integrate more acceptance models and other variables not covered and create a web app version for wider reach.

Keywords:

User Acceptance, TAM, Technology Acceptance, UTAUT, Questionnaire.