Abstract

Mobile Learning (M-Learning) is an electronic learning (E-learning) using mobile devices and wireless computing technology as a communication media to make learning ubiquitous and personalize. The objective of this paper is to present the design and development of a platform independent mobile learning tool (M-LT) for Structured Programming course in Universiti
Teknologi PETRONAS (UTP) as a case study. J2ME, XML, and J2ME midlets are used for the system development of this platform independent tool. It consists of two modules, lecture materials and quiz. M-LT is helpful for all students who are taking this course. Supported devices are smart phones, Personal Digital Assistant (PDA), and laptops. It supports offline accessing of lecture materials. In addition, due to the supported file format M-LT may have a potential to support native technology which is a type of online access method of the contents. The type of supported users is only for learners who are taking the above mentioned course.

Reference

- e Costa, J.C., T. Ojala, and J. Korhonen, MOBILE LECTURE INTERACTION: MAKING TECHNOLOGY AND LEARNING CLICK.

Index Terms

Computer Science Ubiquitous Computing

Key words

M-learning conventional learning

E-leaning

J2ME

XML