手持式平板電腦將改造移動學習和無處不在學習的前景

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摘 要

網際網路與無線科技的來臨已經完全改變電子學習(e-learning)的領域。在過去十年中，智慧型手機的持續小型化與寬頻改善已將電子學習的範圍延伸至「移動學習」(Mobile Learning)與「無處不在學習」(Ubiquitous Learning)。移動通信科技的進步促使移動學習成為一個新的研究領域，尤其是自從2007年蘋果牌i-Phone與2010年蘋果牌i-Pad發佈上市後，智慧型手機與平板電腦市場的增長更加快速。具有網絡與多媒體功能的智慧型手機為移動學習創造出巨大機會，然而，智慧型手機的顯示與視頻功能受到其較小銀幕尺寸的阻礙。蘋果i-Pad平板電腦的設計產生是用於彌補筆記型電腦與智慧型手機之間的差距，類似iPad的平板電腦主要是用於多媒體用途，包括網絡內容、新聞、報刊、電影、音樂、遊戲等。本論文之主旨是說明描述由於這些電子設備的普遍化將造成移動學習的推廣出現，蘋果牌i-Pad受歡迎程度的逐漸增長，已經證明此方便使用的媒體設備其需求與市場的存在。類似i-Pad的平板電腦具有一個較大的屏幕，這比智慧型手機更適合用於媒體與學習的目的，平板電腦在媒體與網絡的使用未來有可能取代智慧型手機的需求，手持式平板電腦將預期改造移動學習和無處不在學習的科技設備需求狀況。

關鍵詞：蘋果牌i-Pad、平板電腦、電子學習、移動學習、無處不在學習。

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Handheld Tablet Device to Transform the Landscape of Mobile and Ubiquitous Learning

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Abstract

The advent of Internet and wireless technology has revolutionized the field of e-learning. Over the last decade, continued miniaturization and broadband improvement of smartphones have extended the scope of e-learning to that of mobile and ubiquitous learning. Advancement of mobile technology has made m-learning a new field of research. Especially, since the release of Apple’s iPhone in 2007 and iPad in 2010, the market growth of smartphone and tablet devices has accelerated. Web and multimedia-enabled smartphones have created vast opportunities for m-learning. However, the display and video capabilities of smartphones are hindered by its smaller screen size. The iPad tablet was designed to bridge the gap between laptop and smartphone devices. The iPad-like tablets are primarily used for multimedia purposes including Web content, news, periodicals, films, music, and games. This paper aims to illustrate and describe the emergence of m-learning owing to the proliferation of these mobile devices. The iPad’s growing popularity has proven the demand and market existed for such a user-friendly media device. The iPad-like tablet has a larger screen which is desirable for media and learning purposes. Tablets are likely to replace the demand of smartphones in media and Web use. Handheld tablets are expected to transform the technology and device landscape of mobile and ubiquitous learning.

Keywords: Apple i-Pad, tablet device, e-learning, mobile learning, ubiquitous learning.

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