Chapter 18

A Study of English Mobile Learning Applications at National Chengchi University

Pei-Chun Che
National Chengchi University, Taiwan

Han-Yi Lin
National Chengchi University, Taiwan

Hung-Chin Jang
National Chengchi University, Taiwan

Yao-Nan Lien
National Chengchi University, Taiwan

Tzu-Chieh Tsai
National Chengchi University, Taiwan

ABSTRACT

The pervasive popularity of the Internet in the past decade has changed the way many students live and learn, in part, because modern technology has made it possible for learners to access Real-Time Multimedia information on the Internet, or research any topic of interest to them from virtually any computer anywhere in the world. Students can also receive immediate feedback from their peers and/or their teachers when involved in collaborative projects. As a result, teachers of all disciplines need to incorporate the Internet and the concept of mobile learning into today's classrooms to take advantage of this technology. This research investigated the response of English majors to a mobile learning platform (NCCU-MLP) developed at National Chengchi University (NCCU) in which they were involved as participants. The goal of the NCCU-MLP is to improve the students' English ability as well as to update the teachers' understanding of how to use the technology. The purpose of this research was to investigate the responses of students to a mobile learning environment. The research involved 18 participants in a pilot study and 37 participants in a follow-up study who participated in a group activity involving mobile learning activities. The students were asked to complete the activity following which they completed a

DOI: 10.4018/978-1-60960-539-1.ch018
BACKGROUND

The pervasive popularity of the Internet in the past decade has changed the way people process information. It has also changed the way many students live and learn (Prensky, 2001; Wagner, E. D. & Wilson, P. (2005). Learning has evolved from the traditional teacher-centered classroom to a more collaborative student-centered classroom, and to mobile learning wherein students have direct interaction with the teachers, their peers, and even the world via the Internet. Technology has taken learning to the next level of innovation. With the installment of WiFi (Wireless Fidelity) or IEEE 802.11 WLAN (Wireless Local Area Network), it is possible for learners to access Real-Time Multimedia information on the Internet. Students with a mobile device such as a PDA, or a notebook computer, can access the information they wish to know and learn from virtually any location in the world at anytime of the day or night. In that sense, learning has become mobile. Facing a group of students who grew up with the Internet, “digital natives” as researchers have called these students, teachers of all disciplines need to incorporate the Internet and the concept of mobile learning into today’s classrooms (Prensky, 2001). In addition, since more than 70% of the information on the Internet is in English, English has become the most commonly used language for people around the world to access information and to communicate. As a result of these circumstances, how to improve the students’ English ability is another challenge that teachers face today.

Being one of the campuses that celebrates a WiFi environment, National Chengchi University provides its teachers and students with a “mobile learning” context. However, how to encourage students to take advantages of this environment to improve their English is a question that has remained unanswered. After a series of discussions, a proposal was made by the authors to combine the traditional approaches to learning and the latest technology to the English learning activities where students participate in groups to test the feasibility of incorporating mobile learning into a college level English class. NCCU, being the top rated internationalized university in Taiwan, postulated that both local students and international students on campus should be able to take advantage of this “mobile learning” context.

This article is divided into three main parts. The review of the evolution of learning in the past decades, the theory of mobile learning, and the significance of its application in learning is discussed first. In this section, the gap found in the literature review will also be discussed. In the second section, the design of the group activity and the technical support will be described in detail. The last section will focus on the discussion of the results of the study, its limitations, and future possibilities.

LITERATURE REVIEW

To receive an education, schools are no longer the only option for students. In fact, a student can take courses tailored to one’s needs at any time and any place today. Such is the nature of distance learning (d-learning), where students and the instructors are separated by time and/or distance (Georgiev, T., Georgieva, E. & Smrikarov, A., 2004). D-learning offers numerous advantages, especially for those who need flexibility in their life, such as learners with restricted mobility, an irregular work schedule, or family responsibilities. In addition to having freedom in time and loca-
Related Content

Learning Experiences in Developing Electronic Portfolios
[www.igi-global.com/article/learning-experiences-developing-electronic-portfolios/2295?camid=4v1a](www.igi-global.com/article/learning-experiences-developing-electronic-portfolios/2295?camid=4v1a)

Information and Communication Technology in Chinese Elementary and Secondary Education: Connecting Every Child for Better Learning
[www.igi-global.com/chapter/information-communication-technology-chinese-elementary/50197?camid=4v1a](www.igi-global.com/chapter/information-communication-technology-chinese-elementary/50197?camid=4v1a)

Toward Development of Distance Learning Environment in the Grid
Kuan-Ching Li, Yin-Te Tsai and Chuan-Ko Tsai (2008). *International Journal of Distance Education Technologies* (pp. 45-57).
[www.igi-global.com/article/toward-development-distance-learning-environment/1728?camid=4v1a](www.igi-global.com/article/toward-development-distance-learning-environment/1728?camid=4v1a)

Benefits of a Content Multi-Purposing Model
[www.igi-global.com/chapter/benefits-content-multi-purposing-model/12098?camid=4v1a](www.igi-global.com/chapter/benefits-content-multi-purposing-model/12098?camid=4v1a)