

Using iPods & iTrips as knowledge acquisition tools for problem-based learning in the workplace

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Length Half day

Objectives: Seventy-three percent of students surveyed in 2006 undertaking vocational training and education (VTE) training said that e-learning would in the future improve their employment outcomes (Australian Flexible Learning Framework 2006). This study further stated that, by integrating information and communications technologies (ICT) into VTE, it becomes more flexible and more responsive to client needs, improves quality and access and fosters innovation.

In this workshop, participants will

- be introduced to and engage with Web 2.0 audio-visual tools and their current usage in vocational education and training.
- explore potential applications of ipods and itrip transmitters as tools for teaching and learning in the workplace.
- create and publish a mini iletecture using open source software for mobile devices.
- gain insight into how mobile communication devices can facilitate collaborative-based learning in today's workplace.

Intended audience

This workshop is interactive and will cater to participants interested in workplace teaching and learning. Attendees will learn about and discuss innovative ways of applying the workshop's concepts to their specialised fields of practice.

Participants will work in groups to produce a mini lecture suitable for an ipod. This mini lecture will demonstrate how expertise and knowledge can be collaboratively shared without headsets and using only one ipod to a large number of people in the workplace. Participants will learn how itrips and radio transmitters can broadcast podcasts to the workplace. The idea of this workshop is to illustrate how trainees can use ipods and itrips as knowledge-acquisition tools to tap into expert instructional advice for in situ problem-based learning.

Facilitators

Paula Williams

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B.Ed (Hons) Adult Vocational Education, Diploma in Biomedical Sciences, Diploma Freelance Photojournalism, Diploma in Freelance Illustration Journalism. Currently completed first year Industrial Law Stage I & II at UTS, Sydney.

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BA Teaching in Adult Vocational Education, Grad Dip Computer Based Learning, Grad Cert in Facilitating and Managing e-Learning, CIV Training and Assessment, Diploma Business Administration. Currently studying Masters Adult Education UTS.

Details of activities

Participants will have the opportunity to engage with mobile technology and will leave the workshop familiar with 'web 2.0 services' that will further enhance their digital fluency for today's 'connected era'. The facilitators will invite consideration and discussion around the challenges and opportunities presented by web 2.0 and participants will have the opportunity to discuss and explore possible applications of these technologies in their institutional settings.

1. Welcome and introductions.
2. Introduction to ipods, nano ipods, videopods and other Mp3 like tools.
3. What are Web 2.0 tools and how can these technologies provide high quality in situ learning in the workplace.
4. Types of Web 2.0 services available such as audacity, podomatic and audioblogger for creating iletures
5. Using ipods as one form of knowledge-acquisition tool to facilitate on the job training in the workplace.
6. Creating a mini lecture based on script provided.
7. Broadcasting lectures using radio frequency transmitters called itrips.
8. Discussing ipods as knowledge acquisition tools in the workplace.
9. Small Group exploration of the use of ipods and syndicating with RSS.
10. Introduction and exploration of some uses of ipods and itrips in tertiary education.
11. Discussion of the benefits of each approach.
12. Conclusion and wrap-up.

References**Previous presentations**

Williams: Versions of this workshop have been carried out with internal groups from the Western Sydney Institute of TAFE NSW; NSW Department of Education's Centre for Learning & Innovation (CLI)- Learning Design Forum and the International Centre for VET Teaching and Learning (ICVET) 2005 & 2006.

Hobbs: TAFE NSW International Centre for VET Teaching and Learning (ICVET) - Conference 2005 Presentation "Personalised Learning"

Williams & Hobbs: ICVET Conference 2006 Workshop and Showcase

Publication References:

The presenter has published and presented a concise paper for the Open and Distance Learning Association of Australia (ODLAA) for their 2005 Conference in Adelaide '[Tools of the Trade- Converging Technologies](#)'; conducted workshops for TAFE NSW Conferences -[Evidence-Based Assessment](#) in 2005 and 2006 for different solutions to evidence-based assessment using mobile devices; Conducted a qualitative unpublished research study entitled OTEN SMS

Trial 2005 involving use of SMS to update and motivate students.
Participated in a NSW Board of Vocation Education and Training (BVET)
project “[Improving VET outcomes using personalised learning](#)”

Bradshaw, D. (2005). ‘Different Voices Different Spaces-A Good Practice Model
in Action’, Australian Flexible Learning Framework, DEST, Canberra 2005.

Coghlan, M.(2004). ‘Finding your voice online’-An inquiry into the Use of
Online Voice Applications in Higher Education’ The Knowledge Tree Australian
Flexible Learning Framework
http://www.elearn.wa.edu.au/kt/edition05/html/npra_michael_coghlan.html

Meng P. (2005). *Podcasting and Vodcasting: A White Paper, Definitions,
Discussions & Implications*, University of Missouri, IAT Services. Retrieved 7
July, 2006 from [http://edmarketing.apple.com/adcinstitute/wp-
content/Missouri_Podcasting_White_Paper.pdf](http://edmarketing.apple.com/adcinstitute/wp-content/Missouri_Podcasting_White_Paper.pdf)

The Knowledge Tree- An E-Journal of Learning and Innovation (ed.10); Going
Aural; Australian Flexible Learning Framework; Department of Education,
Science and Training; ACT July 2006.