

# Web 2.0 in Education: Experience of Teaching EIR@Temasek Polytechnic

Noor Faridah  
KM Conference 2009  
13 Aug 2009

## Content

- Background & Purpose of KM effort
- Teaching & Learning Methods Highlights
  - Blogs, Wikis, Discussion Forums
- Subject Feedback
- Lessons Learned : Challenge
- Impact and Benefits

Web2.0 in Education  
:EIR@Temasek Poly

## Background & Purpose of KM Effort

- KM Web 2.0 tools used to interactively bring the workplace to the classroom
- Web 2.0 incorporated into curriculum of a cross-disciplinary module “Effective Internet Research” offered by Temasek Polytechnic
- to a more flexible, stimulating and independent learning environment and increase the level of interactivity in teaching & enhancing student learning

Web2.0 in Education  
:EIR@Temasek Poly

## Teaching & Learning Methods Highlights

- MSN live chat as ice-breaker and rapport building
- Blogs to reflect on student's learning process
- Wikis to virtually collaborate and share a group report
- Discussion forums to learn, exchange and share knowledge about their research interests with others
- Web 2.0 application linked to assessment (graded portfolio)

Web2.0 in Education  
:EIR@Temasek Poly

## Teaching & Learning Methods Highlights

- A project briefing at the beginning of the semester
- Progress monitored periodically by ongoing feedback and assessment on the quality of the entries, discussions and presentations
- At the end of the module, an online subject feedback was conducted to get students' feedback (quantitative and qualitative) on the effectiveness of the subject delivery and teaching methods.

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tools - Blog

**Blog**  
**A Reflective**  
**Knowledge Sharing / Exchange Tool**

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tool - Blog

*Guardian Angel*

**Navigations...**

Your One-Minute Autograph

24 Jul 09, 22:00  
**zhiwei:** hi ms faridah, thanks for making this module such a great experience for us. it is really heartening to know there are such dedicated educators like you, thank you!

24 Jul 09, 11:28  
**jacqueline:** HI MS FARIDAH! thanks for being so patient and nice towards us. tolerating me for being late everyday. THANKS!! I have learn alot from the class.

24 Jul 09, 11:24  
**zhi ying:** hi ms faridah, eir has been a pleasant experience, thanks for

[Get a Cbox] refresh

**My Angel Thoughts...**

Thursday, July 23, 2009

Today is the 2nd last day of this module. Students worked on completing their Final Portfolio submissions. They continue to work hard to ensure good quality of submissions.

Labels: Portfolio Part 2

~(11:09 AM)  
*URR Angels*

Wednesday, July 22, 2009

Students were introduced to Wetpaint yesterday and they continued to work on their wiki class project today. They had done a good job of coordinating the workload to produce the consolidated report based on the topic on ethics over SNS. Students could easily learn to use wetpaint and post their work. I posted comments about their work on the discussion thread on wetpaint. Its good to see students at work on this virtual collaborative project.

Labels: Wiki - Can we talk about clients issues on SNS?

**Web2.0 in Education  
 :EIR@Temasek Poly**

## KM Tool - Blog

**The Angel**

Your URR team.  
 Wish : All the best in your future endeavours

**Angelic's**

TP  
 MTV  
 CNN  
 You Tube  
 Gary Lim's Site Feed  
 Sim Chun Guan's Site Feed  
 Jesslyn's Site Feed  
 Nicholas's Site Feed  
 Benny's Site Feed  
 Harris's Site Feed  
 Joanna's Site Feed  
 Priscilla's Site Feed  
 Winnie's Site Feed  
 Chee Keong's Site Feed  
 Weyner's Site Feed  
 Brandon's Site Feed  
 Daphne's Site Feed  
 Joyee's Site Feed  
 Qian Wei's Site Feed  
 Desree's Site Feed

**The Path**

[ January 2008 ] [ March 2008 ] [ April 2008 ] [ May 2008 ] [ June 2008 ] [ October 2008 ] [ November 2008 ] [ January 2009 ] [ February 2009 ] [ March 2009 ] [ April 2009 ] [ June 2009 ] [ July 2009 ]

Friday, July 17, 2009

Students evaluated Youtube in class today. We viewed Youtube videos on the best of Elvis Presley and the last lecture by the last prof Randy Paush. In small groups, students discussed the issues related to Youtube's popularity, its downsides and future direction.

Students experienced a variant type of face-to-face discussion format today which is different from their usual discussion on online forums, msn or facebook. They were not bad actually - they were able to engage one another to brainstorm for new ideas to answer the given questions. Glad to note that all those online discussions have not affected the ability for these students to conduct the good-old face-to-face discussions! Well done all!

Labels: Youtube on Face-to-Face discussion

~(5:10 PM)  
*URR Angels*

Thursday, July 16, 2009

Dream Holidays with no budget constraints – wow! Who would not want such a wonderful treat? For me, with work pressures looming, my dream holidays seem to remain as a dream. So, for now, I would settle for a virtual dream holiday – that's what I asked students to do for this week's blog activity for my EIR students.

Yes, all students did a research on a website that will help them craft out their wonderful dream holiday destinations. Hopefully they get to realise their dream holidays in future, but for now they would have to be satisfied with just a virtual holiday.

Its encouraging to note students happy faces as they blog about their dream holiday. Its really heartwarming to see my hardworking students at work. These youngsters are serious about scoring good grades for their work. Keep up the good work girls and guys!

Labels: Dream Holidays Are Great

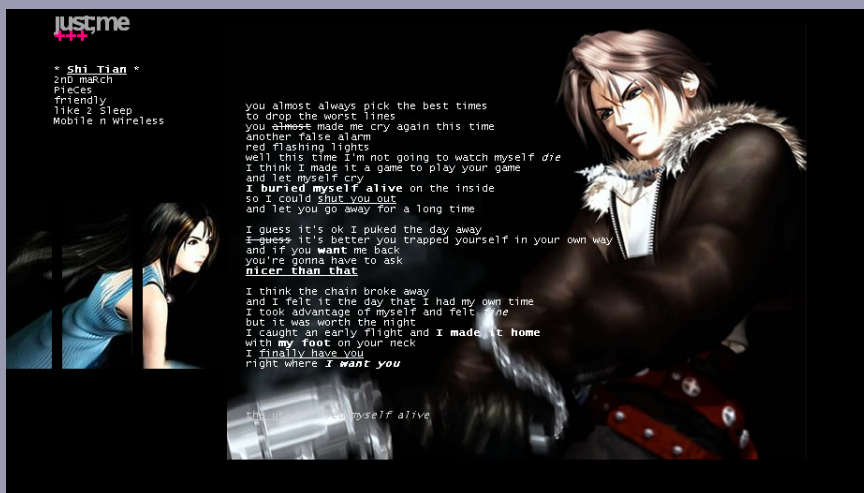
**Web2.0 in Education  
 :EIR@Temasek Poly**

## Blog – Students' Works



Web2.0 in Education  
:EIR@Temasek Poly

## Blog – Students' Works



Web2.0 in Education  
:EIR@Temasek Poly

KM Tool : Wiki

# Wiki

## A Collaborative KM Tool

Web2.0 in Education  
:EIR@Temasek Poly

KM Tool : Wiki

EIR-RAWKZ

Home Discussions Photos Videos News Updates Droplets Members Invite

Search this site

EasyEdit Email page Share this

Apr09(P03)(Farida)DES Discuss the implications of using SNS for discussing clients' issues

Introduction

Social Networking in Plain English  
★★★★★

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tool - Wikis

### Case Study - Health, and Social Networking

On the rise and slowly gaining momentum are a series of Social Networking sites dedicated to the pooling of information and a social circle focused on the idea of medical treatments. Here, people contribute their experiences and thoughts on sicknesses and disease, in order to provide useful third party opinions to the world. Medical experts and organisations also participate in such initiatives.

One such website which serves to provide and share medical information with the masses is <http://www.organizedwisdom.com/>

The tagline for this website says it all. (Like having a doctor in the family)

The open discussion and sharing of issues highly relevant to the topic in question will create a whole new avenue for medical solutions and approaches that would otherwise be restricted to a few opinions. Via an SNS, people may gain thousands of input to make relevant and safe choices.

Thus in summary the implications here would be highly positive and beneficial to the people in question. With such methods of medical ailment being circulated, there can no doubt be a development in social approaches to medicine and health. Medicine could potentially be in the future, prescribed through a trusted online doctor through a hardy online service.

This is of course subject to the objectiveness of the website, and the large influx of advertisers and businesses hoping to cash in on such online services. In any way, there is much potential to be explored.

### Case Study 1- Facebook



Facebook is a profile & business oriented social networking. It is lunch on February 4th, 2004 by Mark

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tool – Wiki (Feedback)

A screenshot of a Wiki feedback page. The page has a green sidebar on the left with navigation links like "Messaging Ethics", "P03 (Sem08 - Farida) - Wiki Ethics", and "P04 (Sem08 - Roselind) - Internet Security and Privacy". The main content area shows "Showing 4 posts". The first post is titled "Comments on Wiki submission" by user "eifrawkz" on Jul 21 2009. The comment text reads: "This is a good start. Good team work is evident from the coordinated workload distribution and work that has been produced thus far. The report covers a good intro and comprehensive coverage &amp; description of SNS with some relevant examples. However, there is a lack of analysis and discussion on the implications of using SNS for discussing clients' issues. There are some generic discussion on usage of SNS in business, education - expand this to cover other sectors eg health sector, medical, counselling where issues of client's confidentiality are more apparent. Elaborate on specific case studies related to this. There must be a conscious effort to relate the answer to the research question posed. Continue the good work all to improve on this wiki submission." Below the comment is a "Post reply" button and a "1 out of 1 found this valuable. Do you? Yes No" poll. The second post is titled "1. RE: Comments on Wiki submission" by user "tungzhiwei" on Jul 21 2009. The comment text reads: "i think we are making good progress despite the absence of our team leader and some members. keep up the good work everyone! Do you find this valuable? Yes No". It also has a "Post reply" button and a "1 out of 1 found this valuable. Do you? Yes No" poll.

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tool – Wiki (Feedback)

The screenshot shows a discussion thread on a Wiki page. The thread title is "Awesome Visuals" and it was started on Jul 22, 2009, at 8:19 AM EDT. The thread shows four posts:

- Post 1:** By Nicholas.Joe1, dated Jul 22, 2009, 8:19 AM EDT. The post says "Nice visuals!" and asks "Do you find this valuable?" with "Yes" and "No" buttons.
- Post 2:** A reply by Qijia, dated Jul 22, 2009, 11:19 AM EDT. The post says "I agree... The visuals makes the whole page look more interesting... The content is so much better and organized than what it was at 12nn today... Good job everyone!!" and asks "Do you find this valuable?" with "Yes" and "No" buttons.
- Post 3:** A reply by airrawkz, dated Jul 22, 2009, 9:36 PM EDT. The post says "Yes, indeed. The visuals have greatly enhanced the quality of this submission. It is an excellent piece of work. I am impressed by the extensiveness of the coverage, discussion and abilities to apply EIR concepts learnt throughout the module. Your great teamwork to virtually collaborate is exemplary and truly reflects the authentic community spirit of Wiki to help you produce such high quality work within a short period of time. I will surely showcase this excellent work to inspire the next batch of students. Thank you for your participation and I hope that you will use Wiki in your future work in your respective Diplomas or even after graduating from TP. Well done everyone!" and asks "Do you find this valuable?" with "Yes" and "No" buttons.
- Post 4:** A reply by chee-an, dated Jul 23, 2009, 7:44 AM EDT. The post says "Credits to Clara Loh too." and asks "Do you find this valuable?" with "Yes" and "No" buttons.

Web2.0 in Education  
:EIR@Temasek Poly

## KM Tools – Discussion Forum

- Learn, exchange and share knowledge about their research interests with others with similar interests
- Students reflected that they never knew they could learn a lot more and find answers to their research questions by asking the right questions and responding to the discussion threads
- For example, students researching on Aids & HIV reflected how engaging in discussion forums with aids victims had transformed the way they think and react towards them and help to empathize and understand them better. Those students researching on cancer reflected how they were touched by the knowledge sharing of the heart-wrenching stories by cancer victims and their families

Web2.0 in Education  
:EIR@Temasek Poly



## Subject Feedback

- 103 students participated in this survey
- 94.1% students strongly agreed/agreed that overall they are satisfied with the EIR module
- 97.0% of students strongly agreed/agreed that they had learnt a lot in this module
- 92.3% of students strongly agreed/agreed that EIR is interesting and provides opportunity to stimulate their thinking
- 92.2% of the students strongly agreed /agreed that the Blogging experience is interesting and meaningful
- 84.5% of the students strongly agreed /agreed that the Wiki experience is interesting & meaningful

Web2.0 in Education  
:EIR@Temasek Poly

## Subject Feedback

- 87.4% of students strongly agreed /agreed that the experience of participating in Internet newsgroups/discussion forums stimulating and useful for their research topics
- 97% of the students strongly agreed /agreed that EIR has helped them in searching and evaluating Internet resources more effectively

Web2.0 in Education  
:EIR@Temasek Poly

## Subject Feedback

"By learning to create my own blog, EIR allows me to change my view about blogs. Initially, I thought that blogs are meant to be personal spaces where the owners rant about their everyday life and happenings, but now I realized that it can also be used to spread information around and spark up discussions."

"I really enjoy this module, as it really widens my knowledge on how to gather my information accurately and better. It is really fun and interesting! It is not boring and it pushes me to find out and discover more knowledge in my area of research."

Web2.0 in Education  
:EIR@Temasek Poly

## Subject Feedback

"Maintaining a portfolio in the form of a blog is somewhat modernized and fun as well. I realized that in EIR, you need to have discipline in yourself to complete the work"

"EIR is a really interesting module, I have learnt a lot during this semester in EIR, such as the effective way of using search engines, how to evaluate a website and Blogging! EIR rocks!!"

"EIR is really a fun subject! I look forward to all the classes due to the jovial environment! And I not only enjoy myself but I have also learnt a lot about internet and the tools which I have never used before."

"EIR is an interesting subject that helps enrich my understanding on my internet skills. It has helped me academically and personally where I get to also understand myself better."

Web2.0 in Education  
:EIR@Temasek Poly

## Lessons Learned : Challenge

- Challenge 1 :
  - Facilitators and students have to learn new Web 2.0 tools especially Wikis which have not been fully integrated into the online learning platform at the polytechnic
  - We overcome this by allocating some time in the practical sessions for students to learn how to use these tools
- Challenge 2 :
  - Grading group Wikis
  - We overcome this by getting students to talk about the extent of their contributions towards the group wikis during the blog presentations at the end of the module

Web2.0 in Education  
:EIR@Temasek Poly

## Impact and Benefits

- Helped develop youngsters' cognitive ability to be confident in acquiring new methods of enquiry and new forms of literacy to effectively navigate around the new knowledge space
- Equipped students with new skill sets to:
  - effectively express themselves digitally
  - unravel a new learning experience and opportunities to collaborate, socialize, engage and network with similar minds on cyberspace, beyond what they can experience through traditional methods of classroom learning via lectures, tutorials and practicals

Web2.0 in Education  
:EIR@Temasek Poly

## Impact and Benefits

- Students achieved high level of motivation in learning this module which has boosted their confidence level and sense of empowerment
- Students were able to learn EIR interactively, in a more fun and interesting way by sharing with fellow classmates about their Internet research experiences through their blogs, wikis and participation in Internet discussion forums
- As a result, both students and staff morale were enhanced as students' performed relatively well overall

Web2.0 in Education  
:EIR@Temasek Poly

Q & A

Web2.0 in Education  
:EIR@Temasek Poly

Thank You !

Web2.0 in Education  
:EIR@Temasek Poly