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

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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

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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)

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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.

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KM Tools - Blog

Blog
A Reflective
Knowledge Sharing / Exchange Tool

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KM Tool - Blog

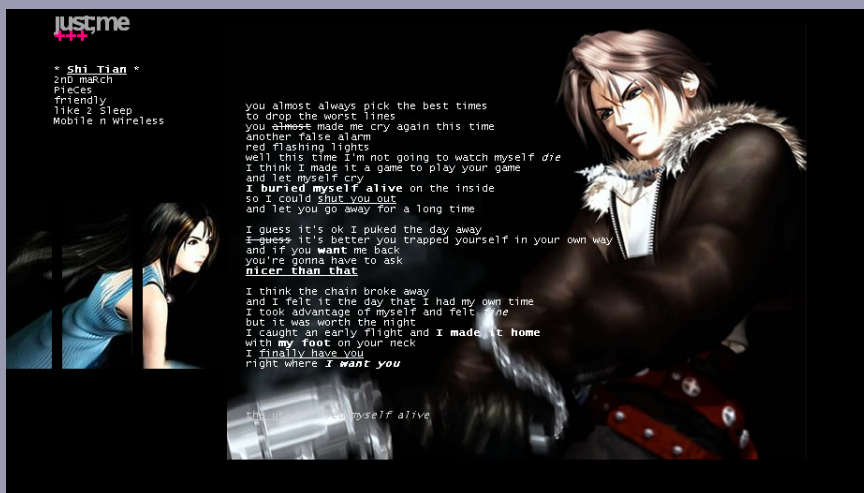Web2.0 in Education
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KM Tool - Blog

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Blog – Students' Works

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Blog – Students' Works

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KM Tool : Wiki

Wiki
A Collaborative KM Tool

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KM Tool : Wiki

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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®

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

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KM Tool – Wiki (Feedback)

Messaging Ethics
P03 (Sem08 - Farida) - Wiki Ethics
P04 (Sem08 -Roselind) - Internet Security and Privacy

Watch thread   Email thread   Share this

Showing 4 posts

Comments on Wiki submission
Jul 21 2009, 9:42 PM EDT | Post edited:
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 & description of SNS with some relevant examples.

eirrawkz

However, there is a lack of analysis and discussion on the implications of usng 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.

Ms Faridah

1 out of 1 found this valuable. Do you? Yes No   Post reply
Keyword tags: None

1. RE: Comments on Wiki submission
Jul 21 2009, 11:09 PM EDT | Post edited:
i think we are making good progress despite the absence of our team leader and some members. keep up the good work everyone!

tungzhiwei   *Do you find this valuable?* Yes No   Post reply

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KM Tool – Wiki (Feedback)

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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

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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

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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

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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."

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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."

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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

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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

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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

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Q & A

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Thank You !

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