ISYS100 Study Notes

Week 1 Lecture
Quiz: Weeks 1-4
Green IT/Computing
- Environmentally sustainable computing/ IT
- Study & practice of: designing, manufacturing, using & disposing of computers & assoc subsystems (printers)
- Minimal/no impact on env
- Green IT strives to achieve economic viability, improv system performance, abiding social & ethical responsib.
- Incl: env sustainability, energy efficiency, total cost of ownership (of disposal & recycling)

Web 2.0
- Describes WWW sites that use technology beyond static pages of earlier websites
- Cumulative changes in way Web pages made & used
- Allow users to interact & collaborate w. social media dialogue
- Virtual community
- Architecture of participation, software as services
- Harnessing collective intelligence
- Originated from O' Reilly & MediaLive International 2004
- A social change- technical part mostly unchanged

Allows a person to:
-Find & connect w. ppl across boundaries
-Rapidly distribute ideas, exp, knowledge
-Awareness of what others are doing

Improving collaboration req. cultural change & personal change

Old	New
Command & control	Consensus driven
Formal & closed	Informal & open
Hero culture	Mentoring culture
Fear of making mistakes	Explore & evaluate

Web 2.0 Concepts
- Blogging
- Forums
- Wikis
- Social Networks
- Book marking
- Folksonomy = tagging
- E- commerce
- Syndication
- Instant messaging
- Mashup
- RIA
- Collaborative software

Blogging
- Indiv broadcast ideas to like-minded people
- Citizen journalism, micro blogging- twitter
- Receive comments from readers
- Photos/videos/podcast

Forums
- Online msg board around select topic
- Discussion w. posts & replies
- Threads- posts & replies, moderators clear spam
- Software communities use as support platform

Wiki
- Collectively share/edit body of knowledge
- Ongoing process of creation & collaboration
- **Wikepedia**

Social Networking
- Online communities, share info
- Connect similar interests
- Personal, business, political
- **Facebook, Hyves, Friendster, Orkut, MySpace, LinkedIn, Plaxo**
- **Flickr, You-Tube, Slideshare, Iens**

E-commerce
- Connects buyer & seller
- Ebay, Amazon

Bookmarking
- Users save & share links
- Reddit, StumbledUpon

Folksonomy = tagging
- Cooperative classification
- By users not experts
- Easier to find: blogs, photos, videos
- Problems: spelling, plurals, specificity

Instant Messaging
- MSN, Skype, Yahoo Messenger
- Instant updates & feedback
- Real time communication
- Mobile enabled
- Extra features: file transfer, contact lists, conferences
- Business use to for more efficient communication

Syndication
- Make updates come to you
- RSS (Rich Site Summary, Really Simple Syndication)
- Standard format used to publish frequently updated works