Digital Libraries, WWW, and Educational Technology: Lessons Learned

Edward A. Fox

Department of Computer Science and Computing Center
Virginia Tech
Blacksburg, VA 24061-0106 USA

fox@vt.edu

http://fox.cs.vt.edu
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Projects

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* SUCCEED (NSF EID-9109853)
* TULIP
* WATERS (NSF CDA-9308259)
Introduction

Figure 1: Timeline of Recent Information and Digital Library Systems
Digital Library Projects

Introduction

* **SIGIR DL Page**
  http://info.sigir.acm.org/sigir/digital_lib.html

  (before ACM SIGIR'97)

* **Tutorial**
  http://ei.cs.vt.edu/~fox/CIKM95tut/

* **D-Lib**
  http://www.dlib.org/
    
    * **Working Groups**
      http://www.dlib.org/groups.html
    
    * **Title Index**
      http://www.dlib.org/title-index.html

* **VT Projects**
  http://scholar.lib.vt.edu/digilib/
    
    * **IBM Digital Libraries**
      http://204.146.47.71:80/is/dig-lib/

**TULIP**

http://www.elsevier.nl/info/projects/tulip.html

**BEV History**

http://history.bev.net/bevhist/

* **Timeline**
Digital Library Projects cont'd

Electronic Theses and Dissertations
http://etd.vt.edu/etd/
* Submission
* Library page

Envision
* Envision results screens
* Digital libraries for CS
  http://fox.cs.vt.edu/DLCS.html
* Dienst  http://researchsmp2.cc.vt.edu:8090/
  * Search
  * Results
  * Doc

NCSTRL
http://www.ncstrl.org/
* Browse
  * Sites
  * Years
* Search
  * Search
  * Results
  * Doc
Figure 2: NCSTRL Architecture
WWW and Education

**EI Project**
- Project management

**EI Tools**
- SWAN
- Virtual Q&A
- QUIZIT

**EI Courses**
- CS1604
  - Outline
  - Map
- CS3604
  - Debates
- CS4624
  - Outline
  - Figures with captions
  - Projects
  - Quiz (koofer)
- CS5604
  - Course Format (PSI)
WWW and Education cont'd

Usage

+ Sources of variation
  * Daily schedule, Semester schedule
  * Local and remote users
  * Student work habits

+ Excel graphs (18 months)
  * Accesses
  * Bytes

+ 18 months
  * All
  * Remote
  * Local
  * History
  * 1206: 96
  * 1604
  * 4624
    - 95
    - 96
  * 5604
WWW and Education cont'd

Usage cont'd

+ 95/4/30
  * All
  * 1604
  * 4624

+ 95/12/03
  * All
  * Remote
  * Local
  * History
  * 1604
  * 5604

+ 96/2/18
  * All
  * Remote
  * Local
  * History
WWW and Education cont'd

Usage cont'd

+ 96/4/28
  * All
  * Remote
  * Local
  * History
  * 1206
  * 1604
  * 4624

+ 96/5/26
  * All
  * Remote
  * Local
Conclusions

* DLs = integral part of educational technology support

* Join projects:
  * electronic theses and dissertations
  * CS technical reports
  * CS literature access

* Use our courseware and add to it

* Work toward “Open Digital Library”