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R&D of e-Learning in Vietnam and Some Suggestions

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Abstract

This presentation provides a brief survey on R&D of e-Learning in Vietnam. Firstly, we describe current status of some main e-Learning centers, as well as analyze their e-Learning policies and directions. Secondly, we do analysis of some conditions and problems for e-Learning R&D in Vietnam. Finally, we make some conclusions and suggest some issues and measures to promote e-Learning with aiming at collaborations and joint activities in e-Learning among the AEN countries. Some observations and analyses on technical issues for e-Learning, e.g. an e-Learning platform with open source technologies, are also addressed.

Current status of e-Learning

- Started 5 years ago
- First project on WBT was in 1998
- As continued extension of traditional distance learning: learning via media such as Books, TV, Radio, CD-ROM and WBT through Internet and/or Intranets
- First “Symposium on e-Learning” as a special section of Vietnam National Symposium on Research, Development and Application of Information-Communication Technology held at Hanoi in Feb. 2003 (ICT.rda’03)

Current status of e-Learning (cont.)

- Recently: Recognize that the standards are very important in e-Learning
- Increased Interests in SCORM, LMS, LCMS, Instructional Design, Reuse, …
- Many kinds of e-Learning systems: self-developed, imported, imported and improved if allowed
- E-Learning as supplementary to the traditional education at Universities and Schools
- E-Learning as a means of professional training for company staff (IT certificates, exams drills,…)

Conditions and problems

- Mainly developed a website to provide a list of courses prepared in HTML, lack of interactions
- “All functions in one application”
- Lack of e-Learning standards
- Lack of e-Learning policies and guidelines
- Lack of IT Infrastructures

Technical issues for e-Learning

- Lack of e-Learning Systems with careful designs and implementations
- Mainly MS Windows-based Technology
- Some systems are with UNIX/Linux-based technologies
- Open source technology becomes more and more useful (Linux/FreeBSD, Apache, Perl, PHP, MySQL, …)
- Contents Development is a big issue
- Security policies
- Reuse of e-courses from other institutions by localization

Some e-Learning Systems

- Vietnam National University of Ho Chi Minh city at http://dttx.netcenter-vn.net/ for IT training courses
- Hanoi University of Technology with BKviews (Bach Khoa Virtual Interactive Educational Web-based System) with using an open source Virtual University (VU) platform at
  http://virtual-u.cs.sfu.ca/vuweb/VUenglish
  for IT training courses

Some e-Learning Systems (Cont.)

- CanTho University at http://dec.ctu.edu.vn for IT, English , Fishery courses
- VASC ISP at http://www.truongthi.com.vn for Entrance Examination Drills
- CDIT of MPT (Ministry of Post-Telecommunications) at http://www.khoabang.com for ICT courses

Some e-Learning Systems (Cont.)

- Saigon Internet Center at http://www.thegioigiaoduc.saigonnet.vn for Business English courses
- Tri Duc IT company at http://www.triduc.com.vn for IT courses
- MOET's EduNet at http://www.moet.edu.vn for schools & universities courses

Some e-Learning Systems (Cont.)

- VITEC (Vietnam IT Examination and training support Centre) at http://www.vitec.org.vn with an e-Learning center for IT skill traning courses provided by the Japan's JITEC and METI. The e-Learning system with LMS and LCMS: NEC's Cultiiva2 with HTML-based and SCORM-based versions

Some e-Learning Systems (Cont.)

- New Century Soft corporation at http://www.newcenturysoft.com with an e-Learning platform for SCORM-compliant contents
- Hanoi University of Technology at http://www.hut.edu.vn with an e-Learning Laboratory with e-Learning systems: NTT's CALAT and WebAngel, AIT's Vclass, VLEI's VU, … for ICT courses and Physics courses
- Next slides: some screens of the systems

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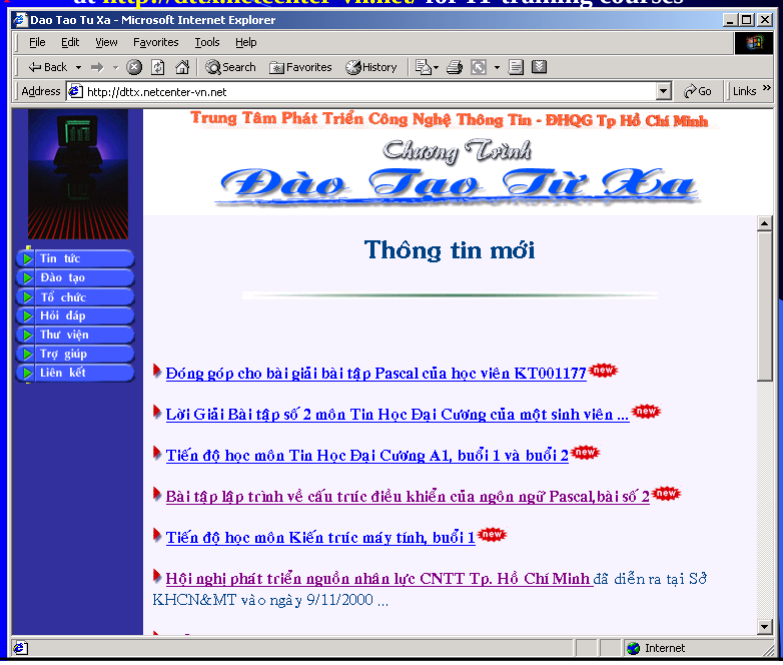
Vietnam National University of Ho Chi Minh city at http://dttx.netcenter-vn.net/ for IT training courses



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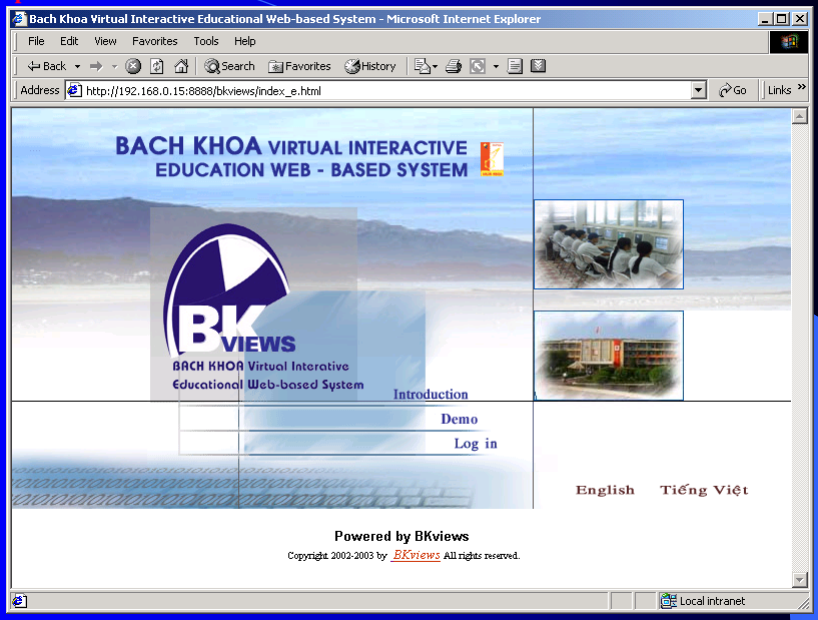
Hanoi University of Technology with BKviews



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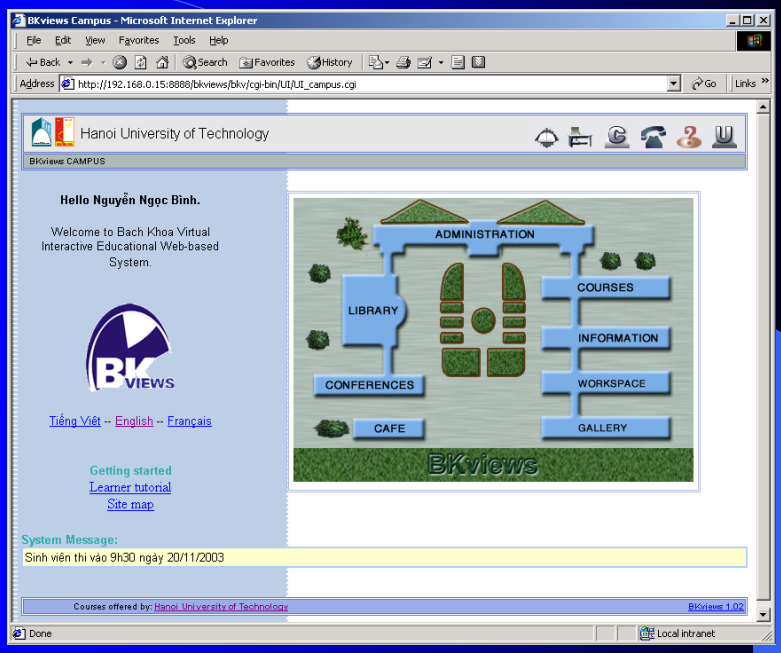

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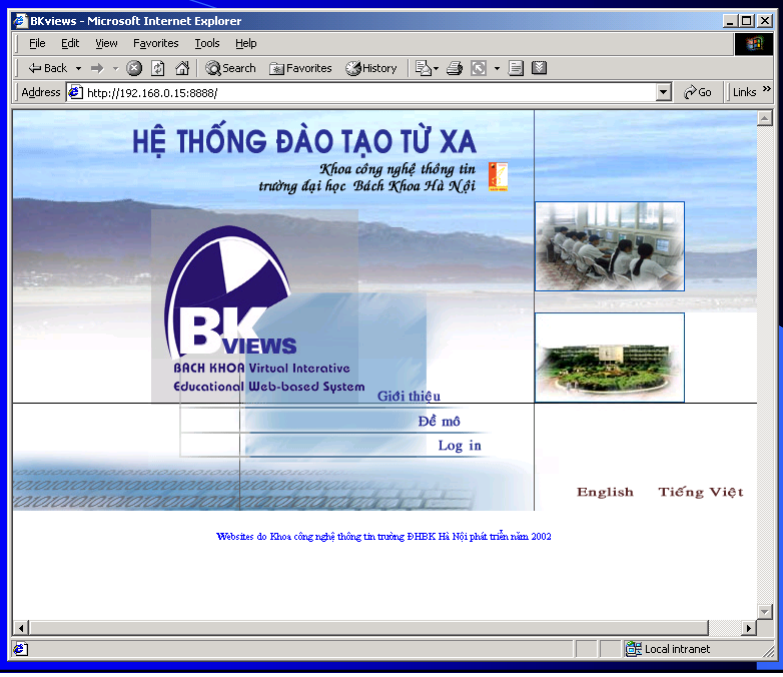

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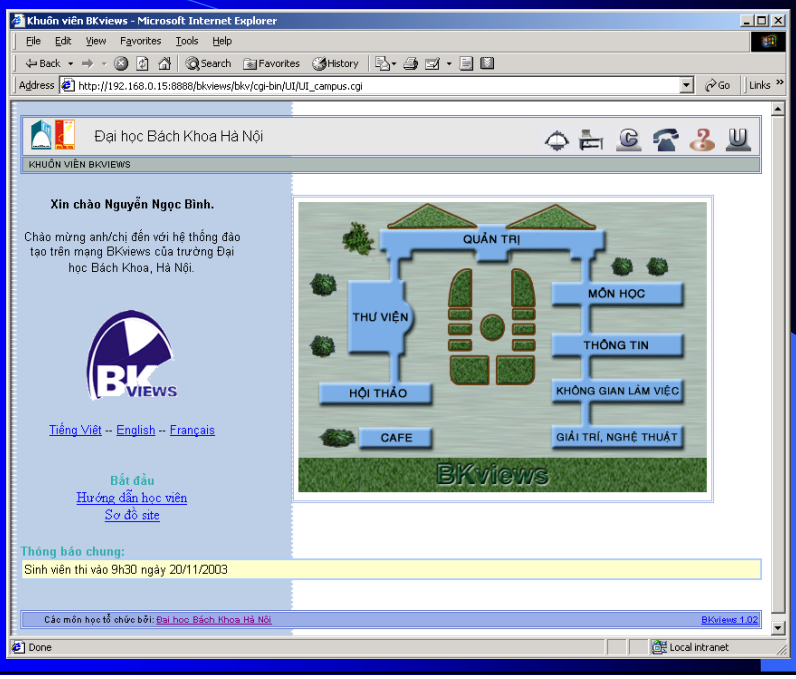

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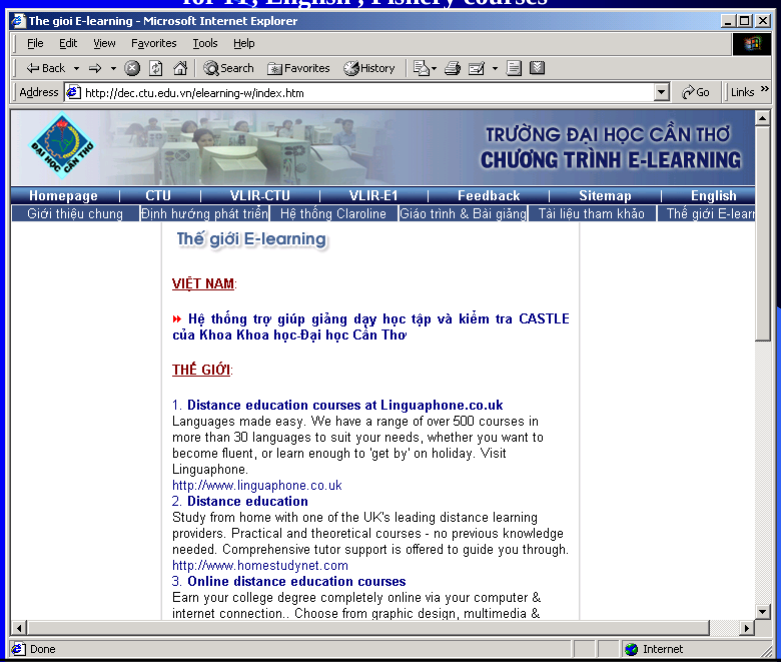
CanTho University at http://dec.ctu.edu.vn for IT, English , Fishery courses



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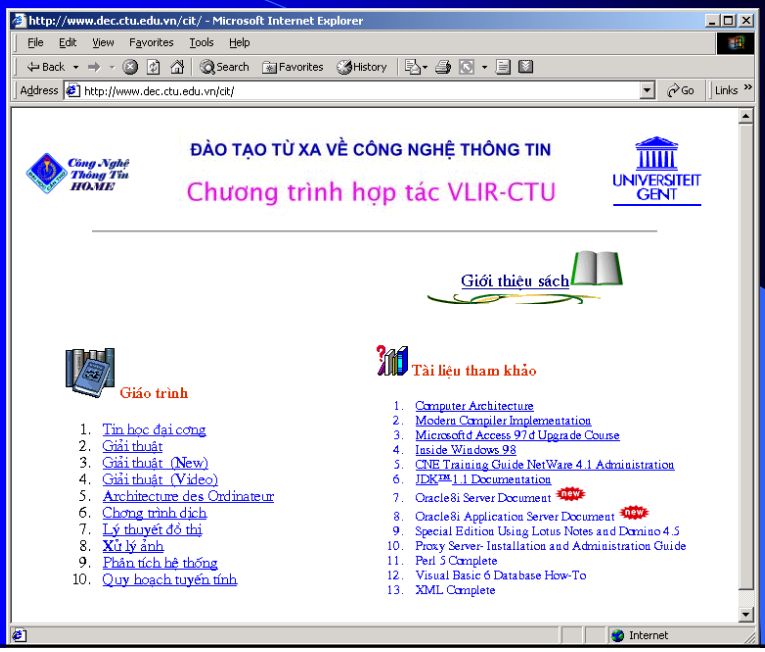

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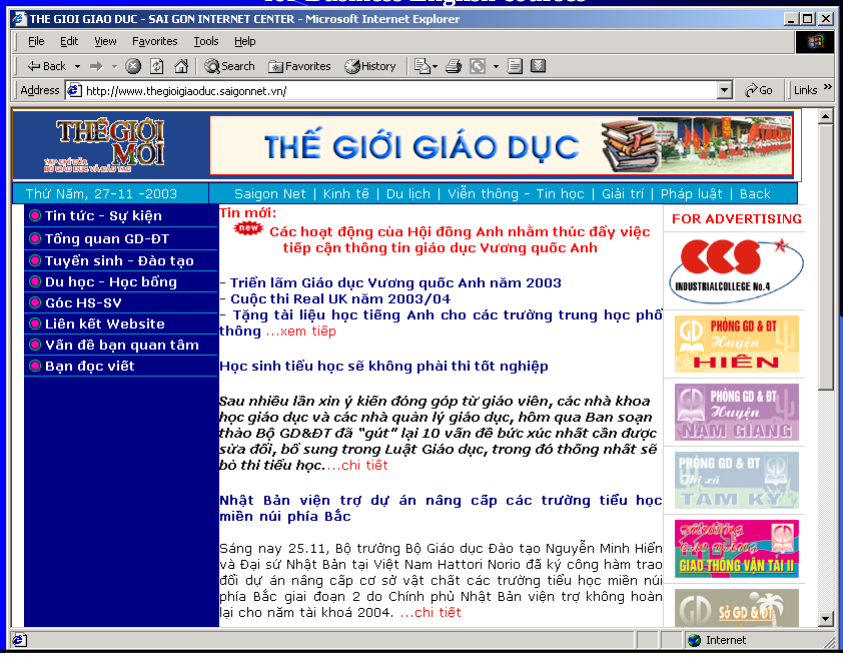

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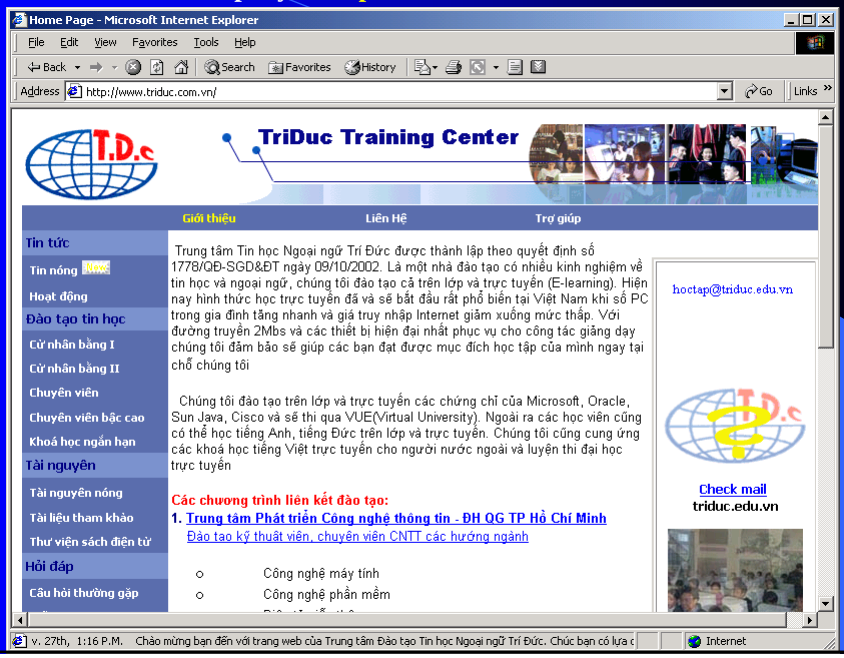

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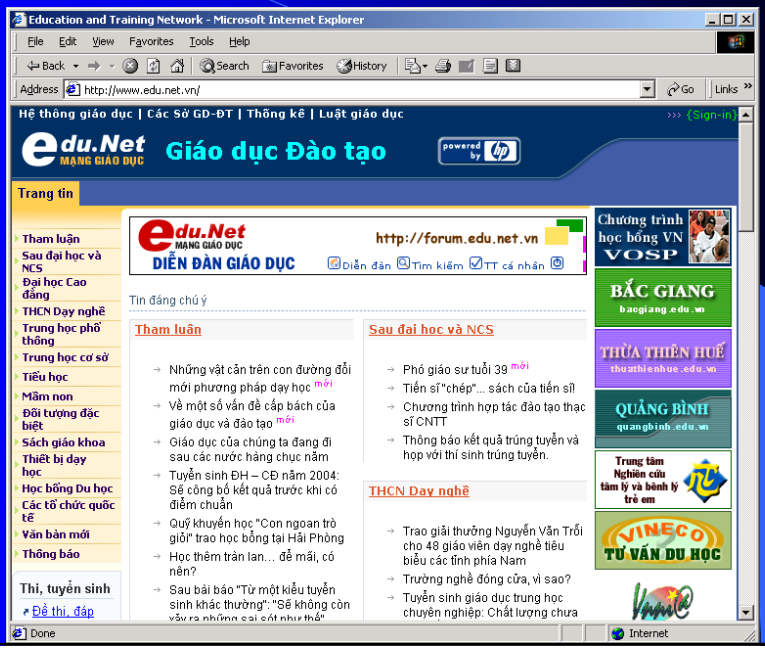

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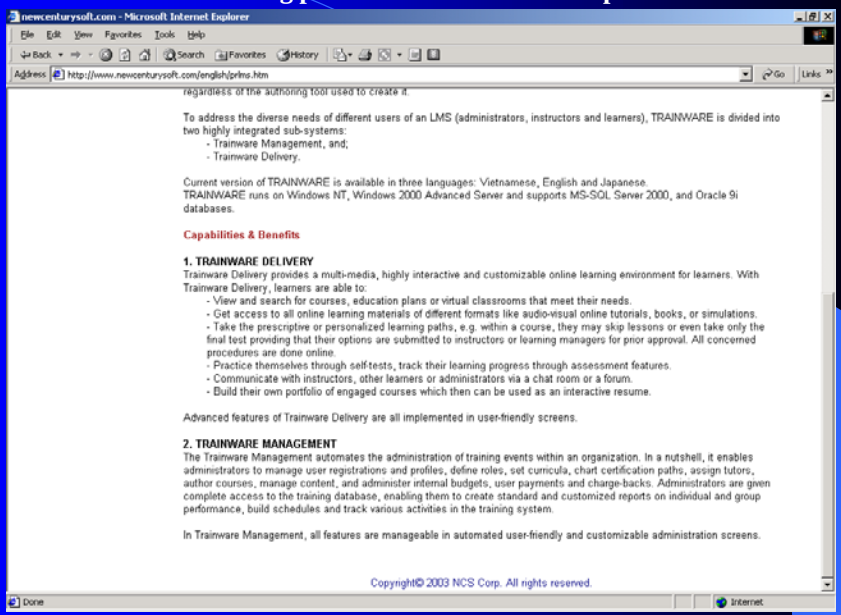

Conclusions and suggestions

- Vietnam's e-Learning is still on the beginning stage
- Lack of IT infrastructure, skills, standards, …
- A common e-Learning platform and systems with tools and contents are wanted and shared among the AEN countries. Their quality improvement
- System and Contents Localization for multilingual e-learning is expected
- Vietnam's e-Learning consortium is needed to promote e-Education and to meet the activities of the AEN countries