Learning Objects Repository (LOR) at CUHK

Dr. Jose Lai (ELTU)

Morris Kwok (ITSC)

Cyrus Chan & HT Siu (ITSC)

Background

- UGC funded project for language enhancement university-wide

- A sub-project of the ILOLLS project

- The need to provide a common platform for hosting Learning Objects that are easily retrievable by end-users

Objectives

1. To host any courseware or learning objects which are SCORM-compatible for self-access e-learning at CUHK

2. To provide a cataloguing system for these learning objects (LOs) which can be searched, browsed and downloaded

3. To enhance the accessibility of courseware/funded projects to maximize their impact on the learning/teaching community

4. To facilitate self-access and self-paced learning online

What is SCORM and LO?

SCORM

- Stands for Sharable Content Object Reference Model

- Refers to a collection of standards for web-based e-learning

- Governs how online learning content and host system called "run-time environment" (commonly a function of a Learning Management System) communicate with each other

What is SCORM and LO?

LO

- Stands for Learning Object

- Refers to any *digital* resource that can be *re*used to support learning, with clear educational purposes/desired learning outcomes

- Can be taken independently

- Can be grouped into a larger collection of content

- Can be tagged with metadata/descriptive information

Why SCORM and LO?

SCORM can help you

- Control learning path

- Measure learning outcomes

- Share learning objects, increases courseware reusability and portability

Features of LOR

For Contributors

1. Centralised place for **storing** and **sharing** their LOs

2. Systematic and easy **retrieval** of relevant LOs by end-users (students/teachers/public)

3. Modular design – allow **flexible** use and re-use of learning objects for teaching; addition and deletion or combination of modules

4. Access to users' **statistics** and reports

Features of LOR

For Teachers:

1. Can download learning objects/ selected modules for course use

2. Can request learning progress report and result from students

Features of LOR

For Users

1. Easy identification and retrieval of learning objects which are classified by categories and can be searched by keywords (metadata)

2. Students can access to personalized learning progress reports and results

3. Students can send the reports to their teachers

4. Students can also upload and share their LOs

LOR at CUHK

http://lor.itsc.cuhk.edu.hk

References

Caws, C., Friesen, N. & Beaudoin, M (2006). A New Learning Object Repository for Language Learning: Methods and Possible Outcomes. *Interdisciplinary Journal of Knowledge and Learning Objects Volume 2*, 2006. Retrieved on Oct 20, 2009 from http://ijklo.org/Volume2/v2p111-124Caws.pdf

Nash, S. S. (2005). Learning objects, learning object repositories, and learning theory: Preliminary best practices for online courses. *Interdisciplinary Journal of Knowledge and Learning Objects, 1*, 217-228. Retrieved on Oct 20, 2009 from http://ijklo.org/Volume1/v1p217-228Nash.pdf

Richards, G., McGreal, R., Hatala, M., & Friesen, N. (2002). Learning object repository technologies: Portals for on-line objects for learning. *Journal of Distance Education, 17*(3), 67-79.

References

Learning Objects
http://en.wikipedia.org/wiki/Learning_object

Learning Object Repository Technologies for TeleLearning:
The Evolution of POOL and CanCore
http://informingscience.org/proceedings/IS2002Proceedings/papers/
Richa242Learn.pdf

Learning Object Repositories – an Introduction
http://irc.gmu.edu/resources/findingaid/twt_guides/repos.htm

Merlot - a free and open resource designed primarily for faculty and
        students of higher education
http://www.merlot.org/

Reload – SCORM Player and Editor
http://www.reload.ac.uk/

CourseLab - A free authoring tool for creating learning object.
http://www.courselab.com/

SCORM
http://en.wikipedia.org/wiki/Advanced_Distributed_Learning#SCORM

Acknowledgements

CUHK Learning Objects Repository is funded by UGC under the supervision of the ILOLLS project team

- Principal Investigator: Dr. Jose LAI (ELTU)
- Research Associate: Dr. KK Ho (ELTU)
- Consultant: Morris KWOK (ITSC)
- System Designers: Cyrus CHAN and HT SIU (ITSC)
- Interface and Graphic Designers: Eva CHEUNG (ITSC), Monique LEUNG (Student Helper)
- Powered by ILIAS

If you have any suggestions for improvement, you are welcome to contact us at https://helpdesk.itsc.cuhk.edu.hk/group/learning-help.