

E-learning

Learning Management System's (LMS's) "are scalable systems which can be used to support an entire university's teaching and learning programmes. With appropriate elaboration, they can also be used to drive virtual universities" (Coates, James and Baldwin 2005). Blackboard (BB) is a proprietary LMS used at certain Universities of Technology (UoT). Other LMS's such as Modular Object-Oriented Dynamic Learning Environment (Moodle), an open source software (OSS) LMS, and in-house developed LMS's are also used widely. "People learn together by investigating, analyzing, collaborating, sharing, and reflecting. Perhaps this is a key reason why it has had such a rapid uptake among the educational community" (Martinez and Jagannathan 2008).

LMS's are used worldwide including at most South African (SA) universities.

"Presently, there is a substantial increase of technological utilization for educational purposes. With the potentials ICT offers, educational institutions are now seeking for new paradigms to restructure their educational curricula and classroom facilities to bridge the existing technology gap education" (Ismail et al. 2013).