

Country Report from Singapore

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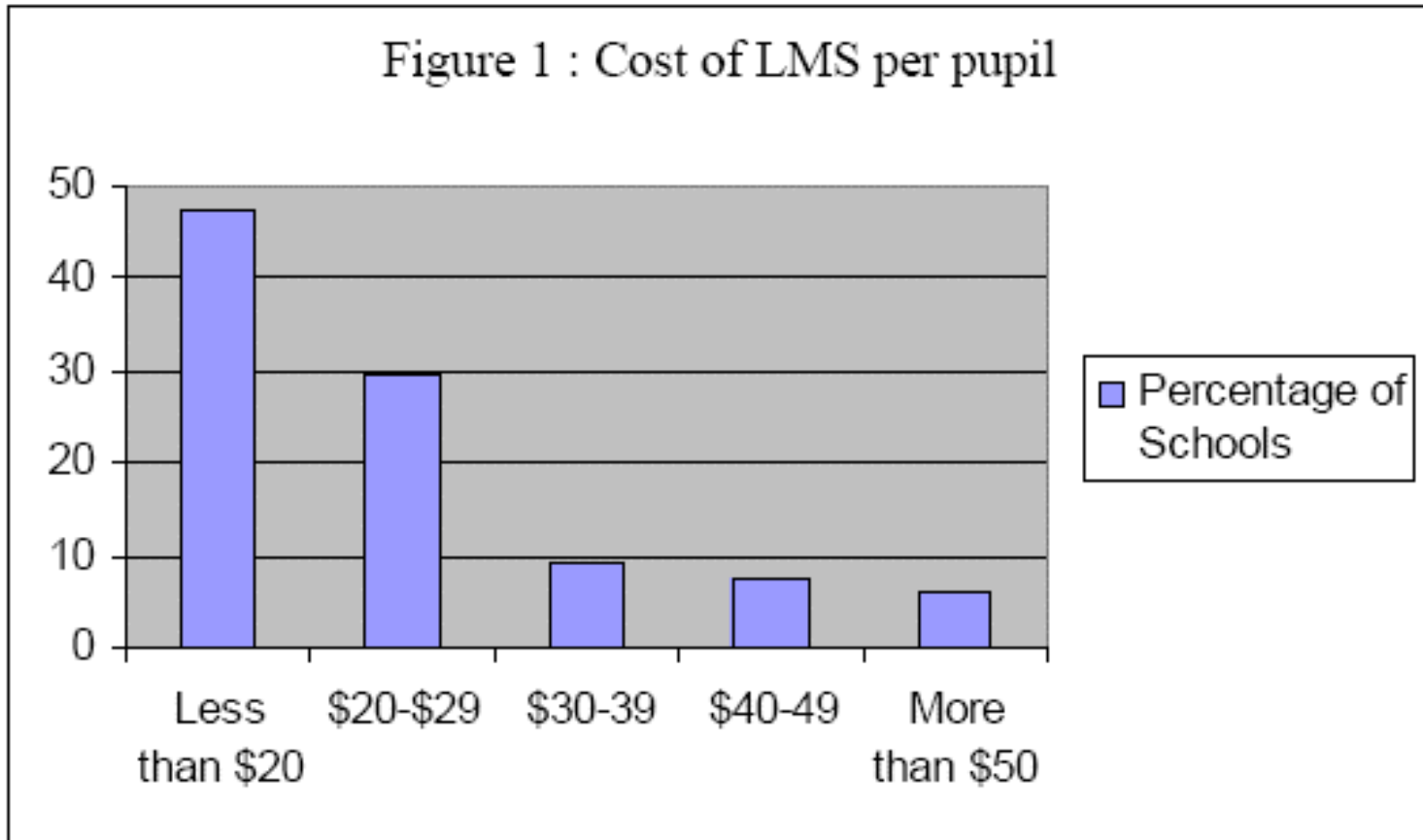
Status of e-Learning in Singapore - 1

- E-Learning is more popular in the schools, the institutions of higher learning rather than in the corporate world.
- E-learning in the schools:
 - 1st IT Masterplan (MP1) from 1997 – 2002
 - 2nd IT Masterplan (MP2) from 2003 – 2007.

Status of e-Learning in Singapore - 2

- Some findings from the schools:
 - LMS procurement:
 - 75% of schools own/subscribe to an LMS
 - 61% of schools that do not own/subscribe to an LMS intend to purchase/subscribe to an LMS
 - Average cost of procuring an LMS has dropped from about S\$50 - S\$80 in 2003 to about S\$20 – S\$50 in 2005
 - 62% of the schools preferred to procure their own LMS

Status of e-Learning in Singapore - 3



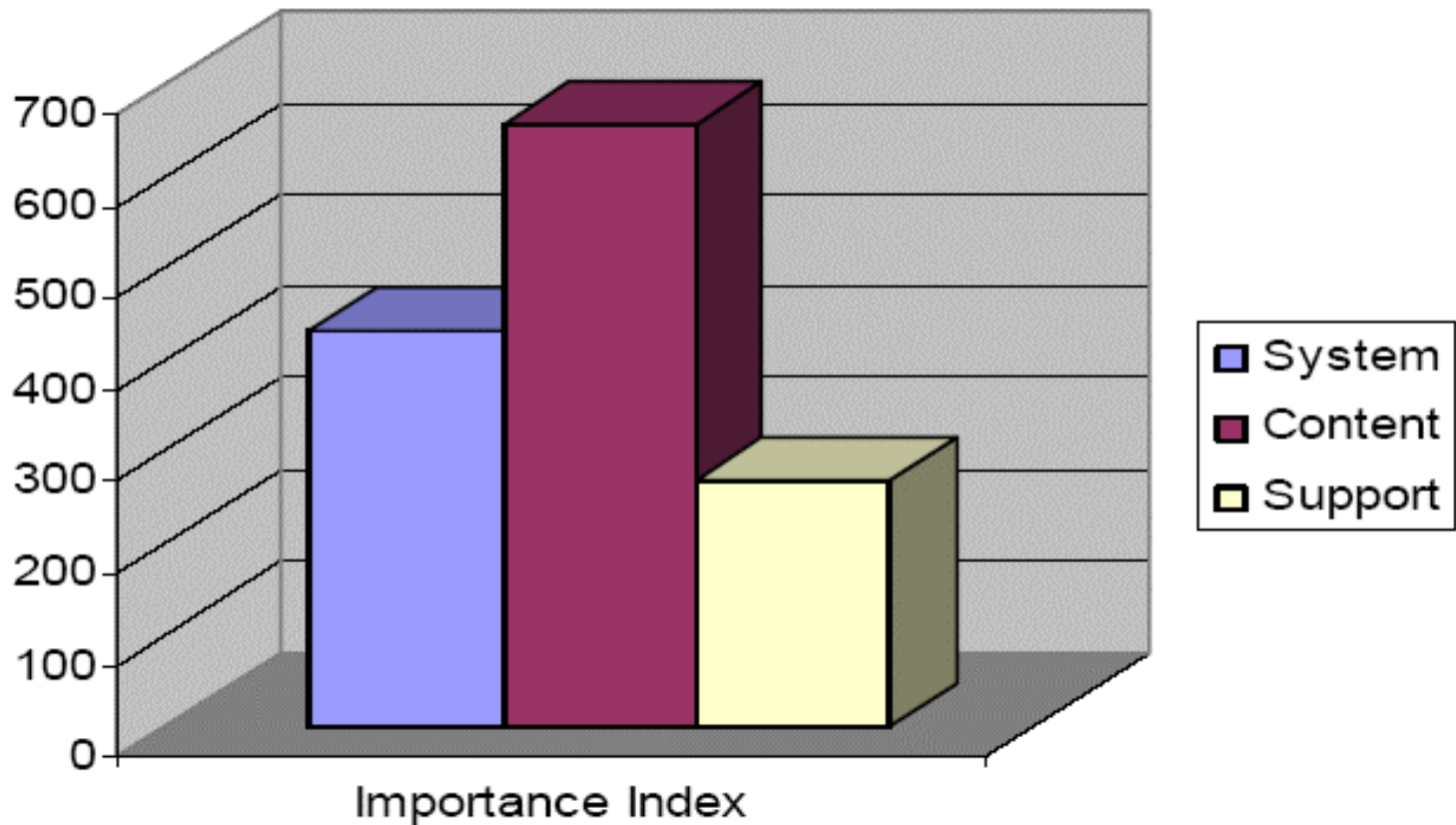
Survey done by the MOE between April and May 2005

Status of e-Learning in Singapore - 4

- Some findings from the schools (cont'd):
 - LMS Usage:
 - 73.1% of the schools have used their current LMS for an average of about 2 years
 - 57.1% of the schools have at least 100 pupils subscribing to an LMS
 - 58.1% of the schools ranked content as being the most important criterion in selecting an LMS
 - LMS was used more in Mathematics, Science and English and to a lesser extent, in subjects like Mother Tongue (Chinese, Malay, Tamil) and Humanities

Status of e-Learning in Singapore - 5

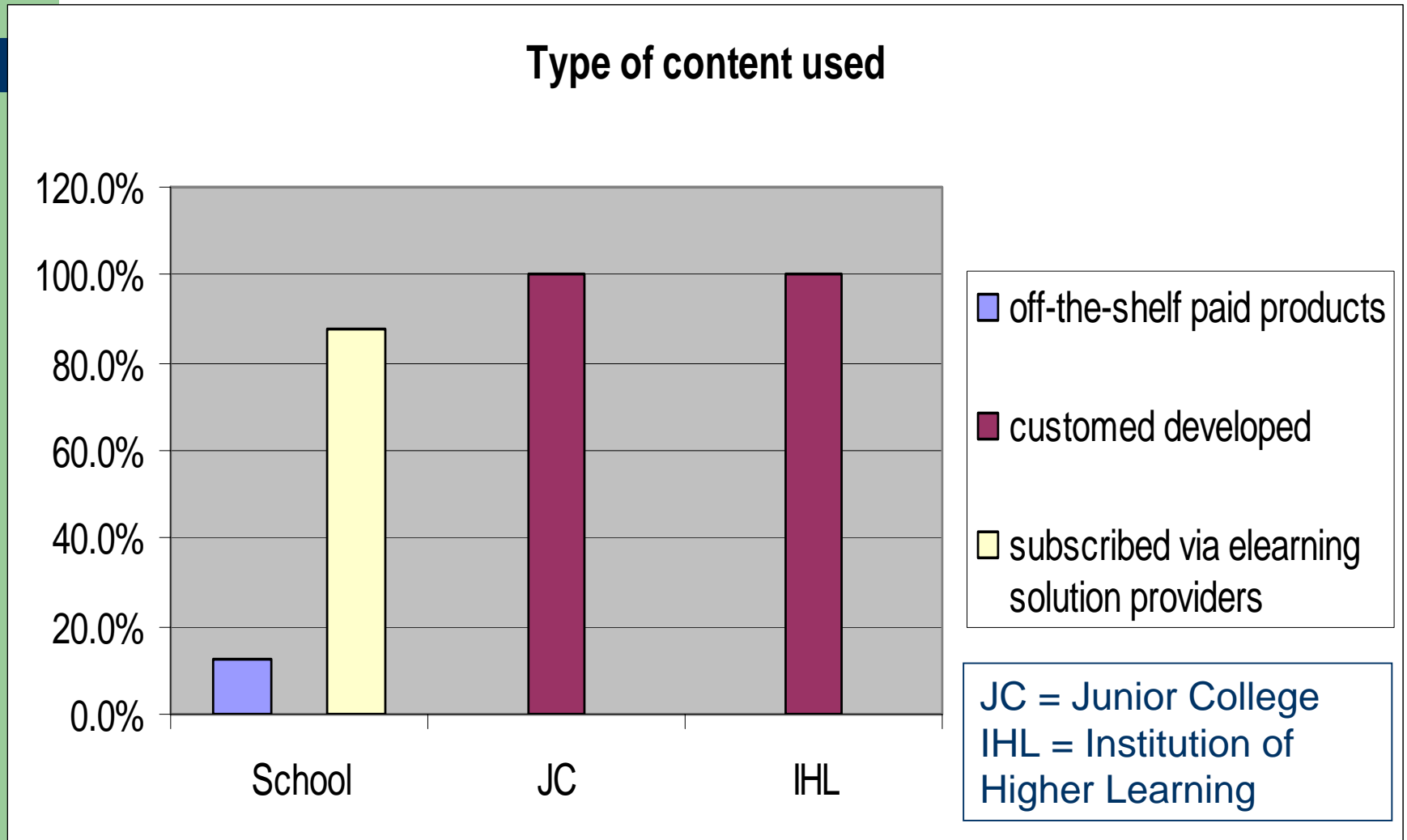
Figure 2 : Relative importance of System, Content and Technical Support



Status of e-Learning in Singapore - 6

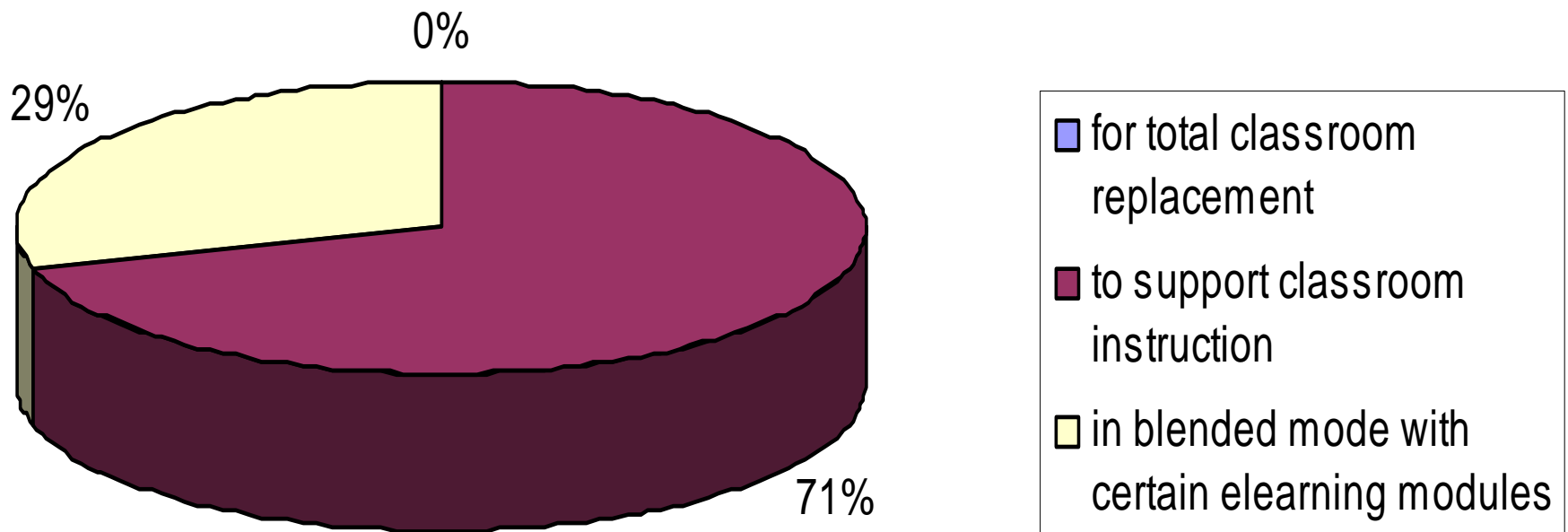
- E-learning in the institutions of higher learning (polytechnics, Institute of Technical Education and the universities):
 - Independent decisions
 - Have own e-Learning system team and content development teams
 - Mostly delivered via LMSs, e.g. Blackboard, IVLE, WebCT, Moodle
 - Some contents subscribed from vendors

Status of e-Learning in Singapore - 8



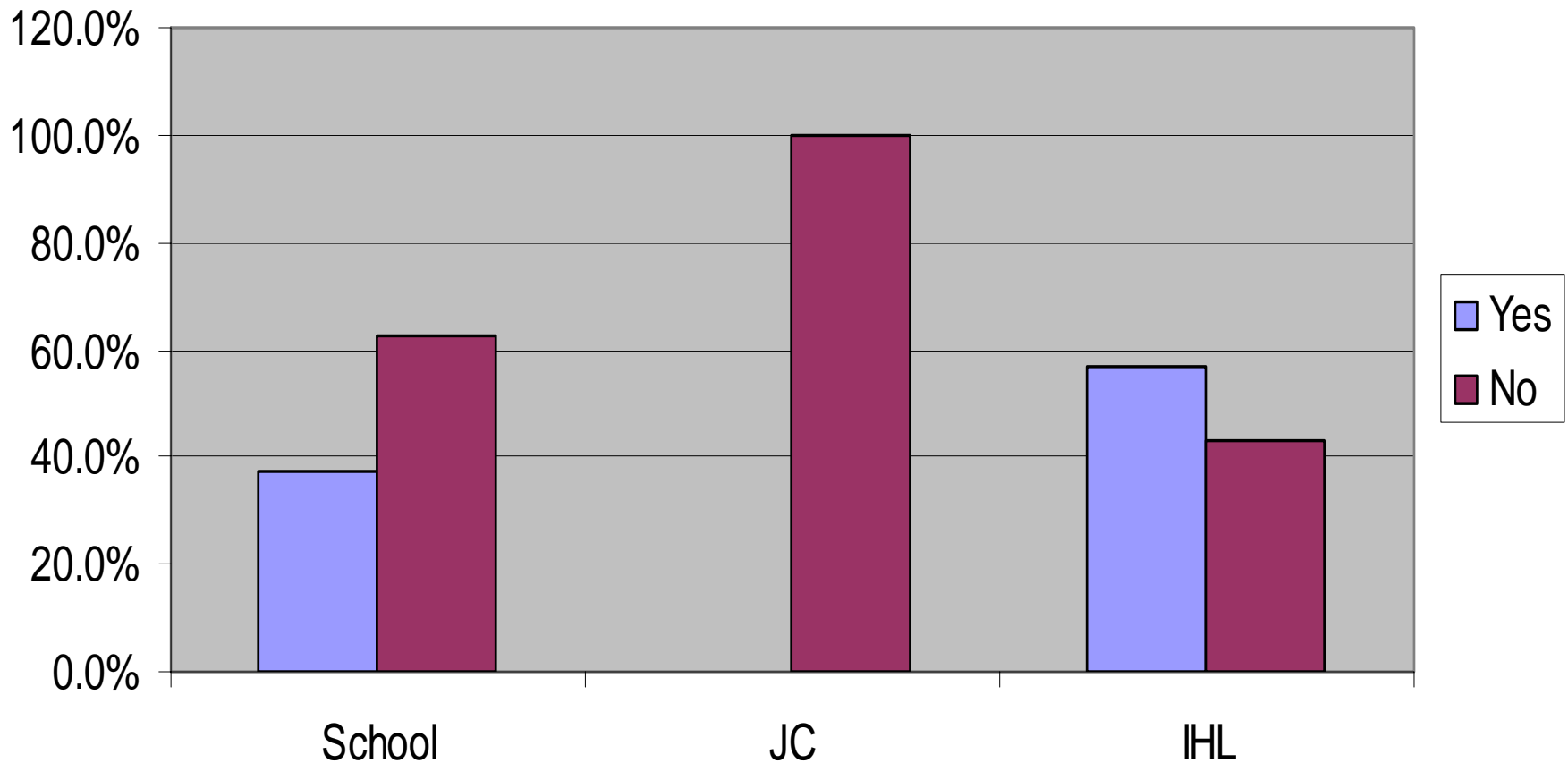
Status of e-Learning in Singapore - 9

In my school/institution, elearning is generally used



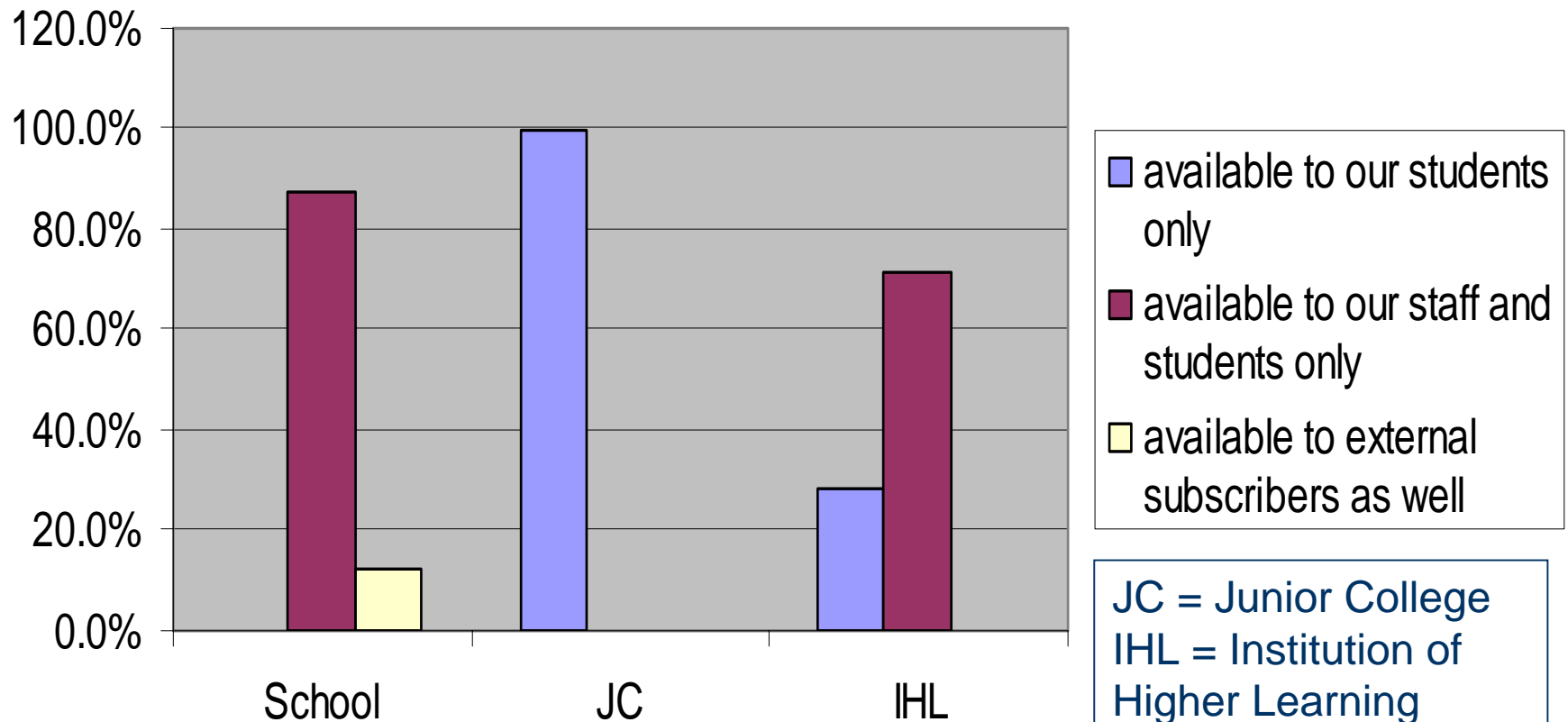
Status of e-Learning in Singapore - 10

Dedicated team for content development



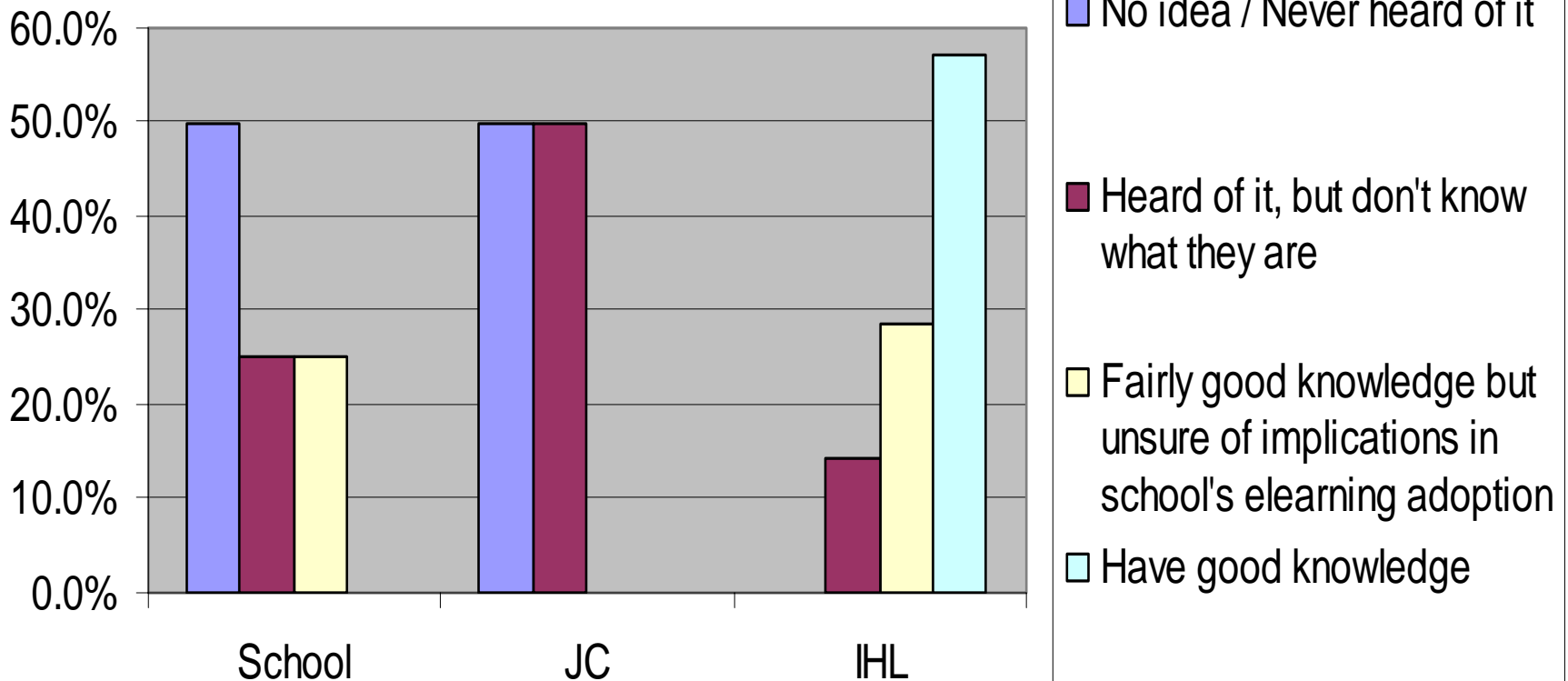
Status of e-Learning in Singapore - 11

elearning courses are



Status of e-Learning in Singapore - 12

Awareness/Knowledge of Learning Standards and Specifications



E-learning Standardization in Singapore

- Not a popular topic in Singapore
- SCORM was promoted in 2002 and 2004 when we organized 2 PlugFests:
 - 2002: 10 LMS vendors participated
 - 2004: 16 vendors (both LMS & content vendors) participated
- Learning Standards Technical Committee is the committee largely responsible for promoting SCORM and other e-Learning standards
- Now widespread support for SCORM, e.g. tenders for content development from many Government bodies include the SCORM specification

Issues on the Dissemination & Development on the Future of e-Learning

- Content sharing and reusability
- Copyright and intellectual property protection
- Increasing use of Open Source Software in LMS, content development & packaging and media development – cost reduction
- Pedagogical support in e-learning
- Move towards process-centred learning rather than content-centric (e.g. LAMS, IMS Learning Design)
- Using e-Learning in higher order thinking skills

Use & Application of AEN activity results

- We have not done any survey to gauge the use and applications of the AEN activities so far.
- However, from meetings with e-learning companies in Singapore, I understand that they have found that the AEN website has been useful. Some of them have made several business contacts by attending the previous AEN Conference in Singapore.

Cooperation Proposals

- From Singapore:
 - E-learning course on Rapid E-learning Course Design and Development
 - Learning Objects Repository
 - Development of an Open Source Software based LMS:
 - SCORM 2004 compliance
 - Integration with the Learning Activity Management System

End of Presentation

Thank You

