ENGAGING ONLINE LEARNER: THE IMPACT OF E-LEARNING SYSTEM AT UNIVERSITI PUTRA MALAYSIA

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PutraLMS

• UPM-owned Learning Management System
• adopted in T&L & covers campus-wide
• Items: course management, content authoring, collaborative discussion, virtual classroom, and testing and assignment grading.
• Aims: improving the effectiveness of teaching & learning activities, sharing learning content, facilitate maintenance and coordination of e-learning system
FAQ

1. What is my login id and password?

For students:
Please use your matric no. as your login id and password. Please use capital letters for both login-id and password. For security reasons, please change your password regularly.

For Lecturers:
Please contact Center for Academic Development (CADe) - 03-8946 6135 or email to lms@putra.upm.edu.my for your Login-id and Password. For security reasons, please change your password regularly.

How To change your password:

At menu bar, select
Tools > Personal Info >

Password : type your new password

Repeat Password : repeat your new password

Click Submit button.
FACULTY OF EDUCATIONAL STUDIES

S_DCE5130 MULTICULTURAL INFLUENCES IN HUMAN RESOURCE DEVELOPMENT (1)
S_DCE6031 PROGRAMME EVALUATION (1)

Pendidikan Jarak Jauh (Master)

J_DCE5130 MULTICULTURAL INFLUENCES IN HUMAN RESOURCE DEVELOPMENT (1)
Theoretical Framework

(Develop model to predict factors that influence the self-regulated learning among undergraduate at UPM)

External factor

Environment factor

LMS environment
- Interactive
- LMS quality (CON, SER, SYS)
- Usefulness

Internal factor

Personal factor

Motivation
- Intrinsic goal
- Task value
- Self efficacy

Human behavior

Behavioral factor

1. Learning Strategies
   Metacognitive self-regulation strategies (Planning, Monitoring, Evaluating)

2. Resource Management
   Time study management, Effort regulation, Help seeking & Peer learning

Web based self efficacy
Measurement Model

Chi-Square=626.643; DF=388
Relative Chi-Sq (<5.0)=1.615
p=.000; GFI (>=.9) =.913
AGFI (>=.9) =.896
CFI (>=.9) =.970
IFI (>=.9) =.971
NFI (>=.9) =.926
TLI (>=.9) =.967
RMSEA (<=.08) =.038
Objective

• Determine students’ perception on PutraLMS learning environments (LMS quality, Interactivity and Usefulness)
LMS ENVIRONMENTS

• LMS quality
• Interactivity
• Perceived Usefulness
LMS quality

- satisfaction of e-learning environment

  – **Content quality** - degree of students perceived content of PutraLMS provided by lecturer, to what extent meet students’ needs, variety of materials, and problem based learning

  – **Service quality** - degree of students’ perceived PutraLMS service which support learners and degree of staff responsibility to respond users ‘questions

  – **System quality** - degree of students’ perception toward PutraLMS system stability, ease of use, and functionality.
Interactivity

- Degree of students’ perceived PutraLMS assist the interaction between learner and learner, learner and lecturer, and learner and content (Moore, 1989 & Liawa and Huang, 2013)
Perceived Usefulness

• Degree of product can be used by specified users to achieve specified goals efficiency (Lee and Lee, (2008) & Liawa & Huang (2013)).

• Degree of undergraduate students perceived PutraLMS is effective tools to help their learning
RESPONDEN

• 95 undergraduate of Bac. Engineering
• Average age - 22.
• 54 female and 41 male,
• average spare time in PutraLMS from one hour to three hours a week
LMS quality

– Moderate to high degree of students perceived content of PutraLMS
  • Notes/learning material uploading by lecturer
  • meet students’ needs
  • variety of materials-notes, articles, contact information etc.)
  • problem based learning-online forum/online feedback by lectures

– Moderate to high degree of students’ perceived PutraLMS service
  • support learners and degree of staff to respond/give feedback from students ‘questions

– High degree of students’ perception toward PutraLMS system
  • Stability (up to date), ease of use (essay access from the residents area, and functionality (interactively between students and lectures)
## LMS quality – Information And Content Quality, Service Quality, System Quality

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>Frequency</th>
<th>Percentage (%)</th>
<th>Mean</th>
<th>SD</th>
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Interactivity

- Moderate to high degree of students’ perceived PutraLMS assist the interaction
  - The capability of learners in SRL strategies and controlling learning progress is essential
  - Communicate effectively
## Interactivity - Interactive Learning Environments

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Perceived Usefulness

• High degree of undergraduate students perceived PutraLMS is effective tools
  – Very useful where students can download course notes and materials, students’ tests results, class attendance, students and lecturers can participate in forums
  – Effective communication channel (two way communication)
## Usefulness

- **Perceived PutraLMS Usefulness**

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CONCLUSION

• Moderate to high level of students’ perception on PutraLMS learning environments
• Participation in PutraLMS among students linked with interactivity, LMS quality and usefulness
Acknowledgments

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