IMPLEMENTATION OF M-LEARNING: PEDAGOGICAL PERSPECTIVES

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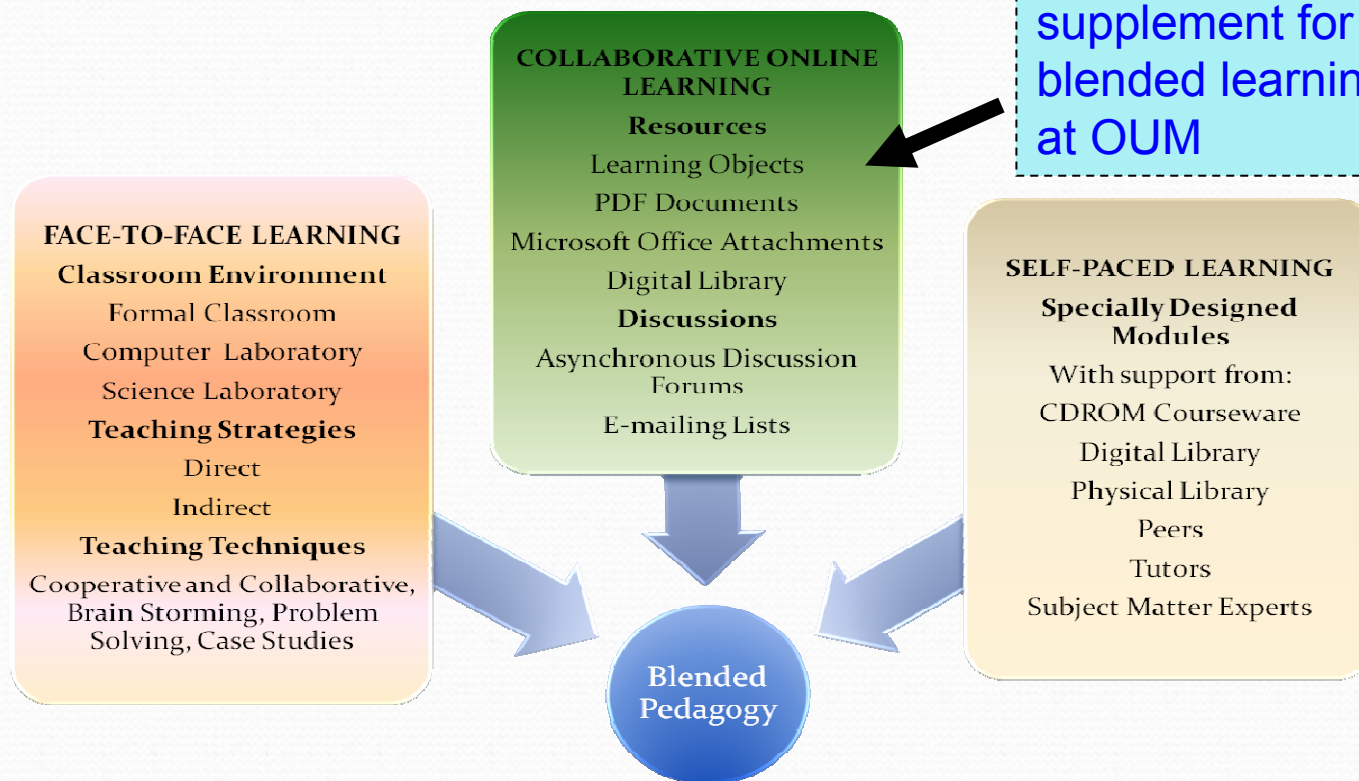
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MALAYSIA

Outline

- Introduction

- Why Mobile Learning?

- Mobile Devices to Support Learning in Authentic Conditions

- Pedagogical Framework for m-Learning

- Key Supporting Factors

- Conclusion

Introduction

- Open University Malaysia – 70,000 registered students
- Blended Pedagogy approach

COLLABORATIVE ONLINE LEARNING

Resources

Learning Objects

PDF Documents

Microsoft Office Attachments

Digital Library

Discussions

Asynchronous Discussion Forums

E-mailing Lists

Mobile Learning is a supplement for the existing blended learning approach at OUM

FACE-TO-FACE LEARNING

Classroom Environment

Formal Classroom

Computer Laboratory

Science Laboratory

Teaching Strategies

Direct

Indirect

Teaching Techniques

Cooperative and Collaborative, Brain Storming, Problem Solving, Case Studies

SELF-PACED LEARNING

Specially Designed Modules

With support from:

CDROM Courseware

Digital Library

Physical Library

Peers

Tutors

Subject Matter Experts

Blended Pedagogy

Why mobile learning?

- Learner & their learning needs are changing
- Ways of disseminating & receiving information has continuously changed

Oral   Paper/Print   Radio   TV   Computer/Internet   Mobile Phone/Devices
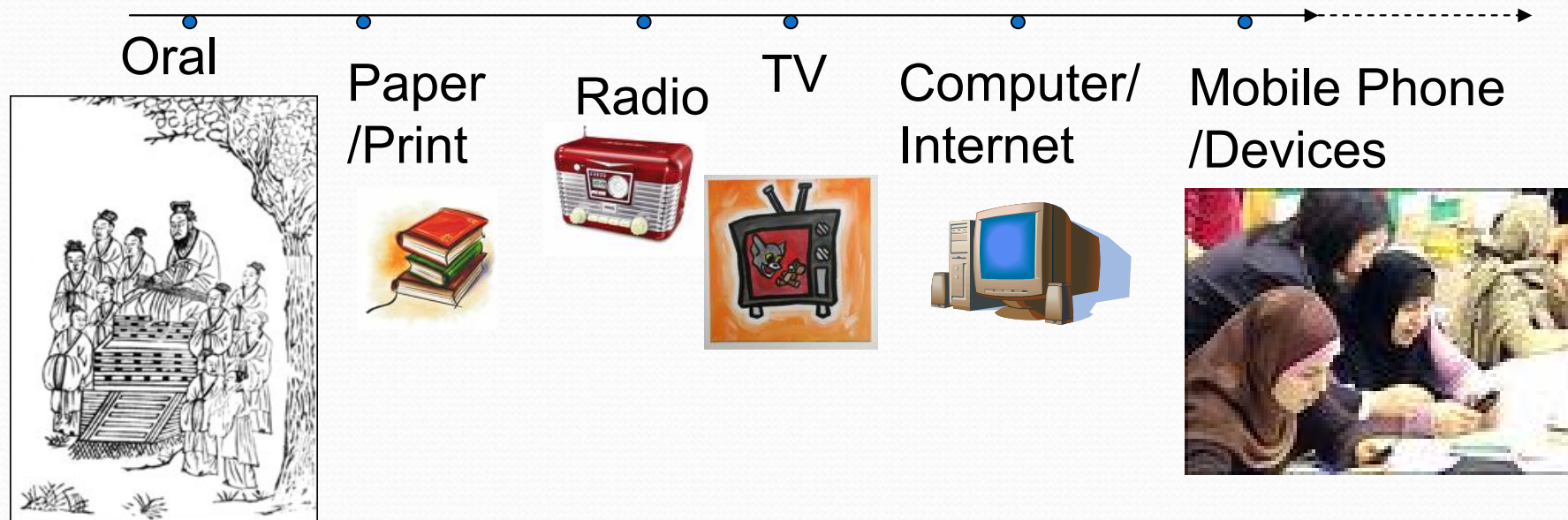
Why mobile learning?

- Mobility is the buzzword
- Gen Y learners
  - Internet > TV
  - Multitasking is a way of life
  - Doing > knowing
- Wider accessibility due to wireless communication
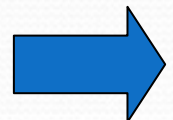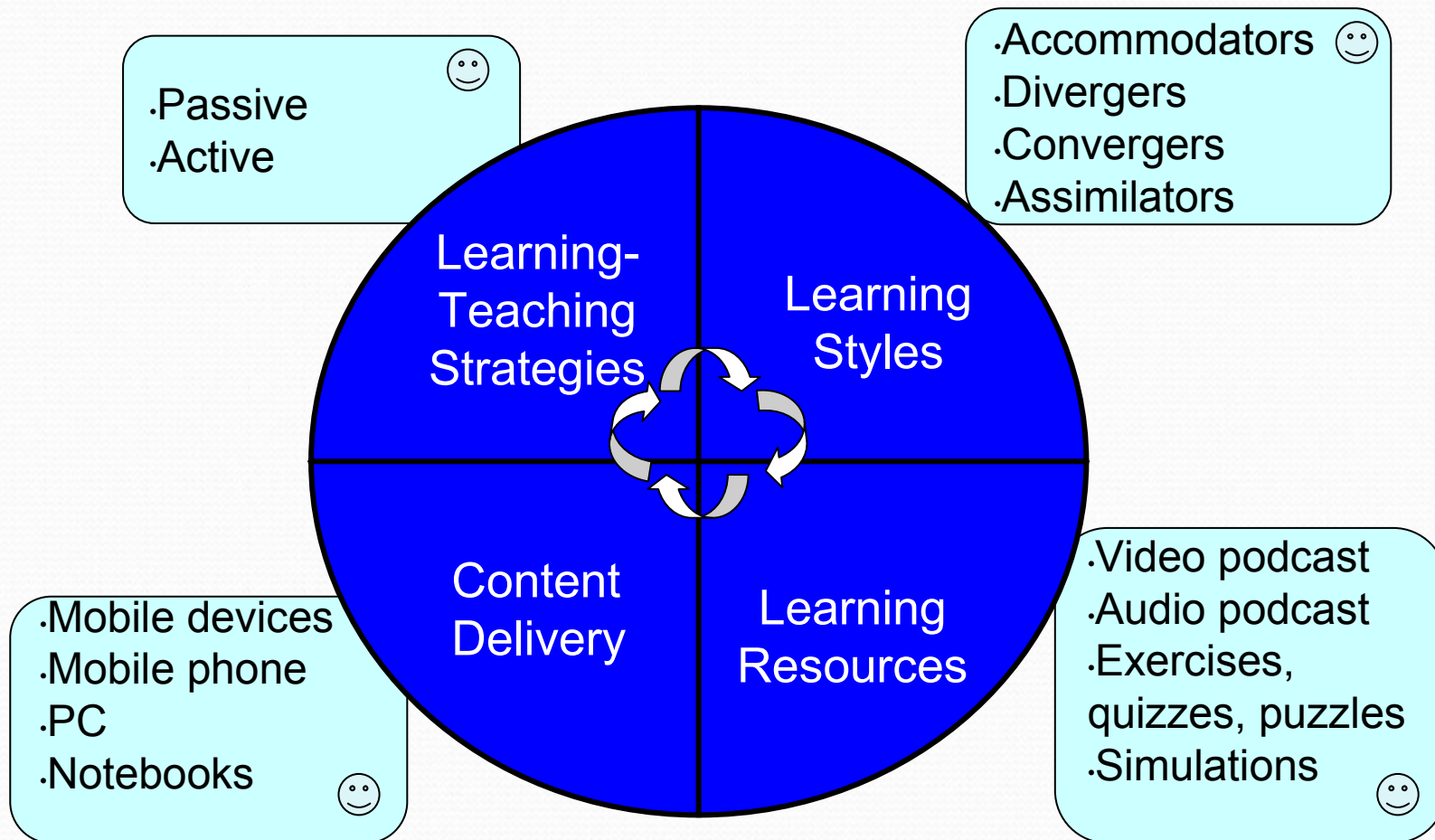- 90% Malaysians own a mobile phone
- 98.9% OUM students own a mobile phone

Mobile Devices to Support Learning in Authentic Conditions

- Simulation exercise
- Problem based learning
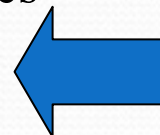- Scenario based learning

Pedagogical Framework for ML

Passive
Active

Accommodators
Divergers
Convergers
Assimilators

Learning-Teaching Strategies

Learning Styles

Content Delivery

Learning Resources

Mobile devices
Mobile phone
PC
Notebooks

Video podcast
Audio podcast
Exercises, quizzes, puzzles
Simulations

Learning Teaching Strategies

- Passive/Direct

- Instructional learning strategies

- Key concepts/information

- Integrate to existing activities/online forum in learning management system

- Re-use LO in repository
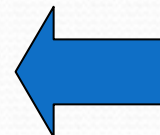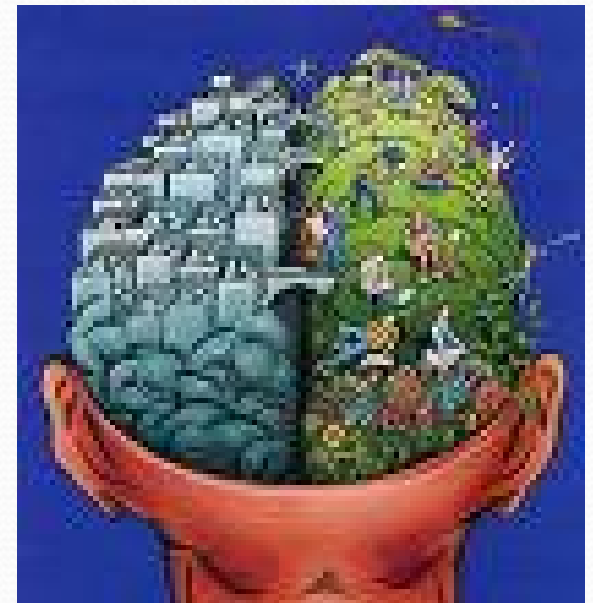
Learning Styles

- Information presentation in a variety format
  - Audio, visual, simulation
- To meet different learning needs
  - Divergers
  - Convergers
  - Accommodators
  - Assimilators
- Help learners to pace their learning
  - personal ability and needs
  - device's processing capabilities

COPING WITH LEARNING

FLV Player - OUMH1103_Topic2_FLASH.flv

Staff & Student Login

Username farida88

Password ●●●●

Login

» First Time Login (OUM)
» First Time Login (IPD)
» Forgot Username/Password
» Login Problems

Collaboration

settings > Playing 'OUMH1103_Topic2_FLASH.flv'

info... 00:01:01 / -00:00:17

.5× 1× 2×
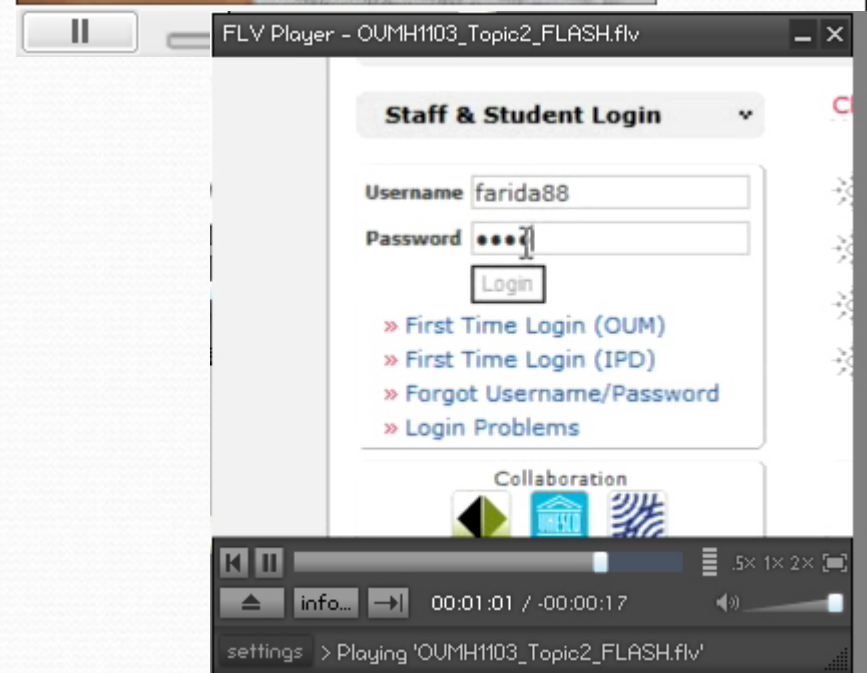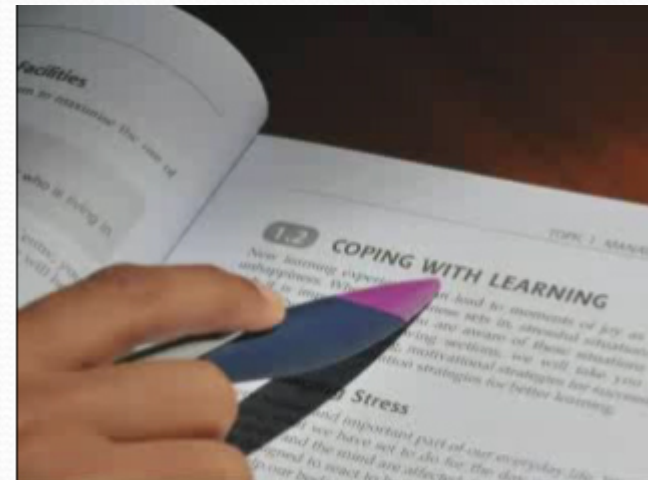
Learning Resources

- Variey format:
  - notes
  - audio/video podcast,
  - stimulating learning activities,
  - audio modules,
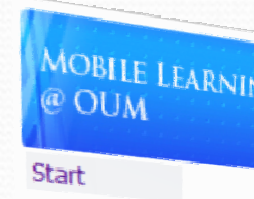 - quizzes/exercise
  - tips/reminders, etc.

Coping With Your Learning

1. Manage stress
2. Set goals
3. Motivate your self
4. Manage time
5. Be focused
6. Know your learning style
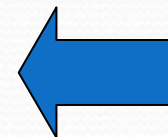
Content Delivery

- Public blog:
  - http://mlearn-oumh1103.blogspot.com/
- web portal
  - http://mlearn.oum.edu.my/
- File format: MP3, MP4, 3GP
- Features of mobile devices
- Content delivered to variety devices
  - Mobile devices: phones, iPod, MP3 player
  - Computer/Notebook
- File size: ~60 seconds

Key Supporting Factors

Conclusion

- Next big wave in higher education

- The success of implementing m-learning is how successfully the 4 components of the pedagogical framework are considered in the development of ML

- If implemented effectively, it has potential to cultivate knowledge sharing skills, critical and thinking skills among OUM learners

Thank you
Gracias