

Course:
AB-1
Critical
Understanding
of ICT



By Dr. Pooja Manghirmalani- Mishra

MODULE I: ICT IN EDUCATION AND ITS IMPLICATIONS

Unit 3: Emerging Trends in E-Learning

UNIT 3.a

Mobile Learning

1.1 Introduction

1.2 Concept

1.3 Features

1.4 Use of any one M-Learning Application

1.5 Conclusion

1.1 INTRODUCTION (to M- Learning)



M-Learning

M-learning or mobile learning is "learning across multiple contexts, through social and content interactions, using personal electronic devices."

1.1 INTRODUCTION



M-Learning

M-learning technologies include handheld computers, MP3 players, notebooks, mobile phones and tablets. M-learning focuses on the mobility of the learner, interacting with portable technologies. Using mobile tools for creating learning aids and materials becomes an important part of informal learning

1.1 INTRODUCTION



M-learning is convenient in that it is accessible from virtually anywhere. Sharing is almost instantaneous among everyone using the same content, which leads to the reception of instant feedback and tips.

M-learning also brings strong portability by replacing books and notes with small devices, filled with tailored learning contents.

1.2 CONCEPT



1. It is important to bring new technology into the classroom.
2. Devices used are more lightweight than books and PCs.
3. Mobile learning can be used to diversify the types of learning activities students partake in (or a blended learning approach).
4. Mobile learning supports the learning process rather than being integral to it.

1.2 CONCEPT



1. Mobile learning can be a useful add-on tool for students with special needs. However, for SMS and MMS this might be dependent on the students' specific disabilities or difficulties involved.
2. Mobile learning can be used as a 'hook' to re-engage disaffected youth.
3. M-Learning can be designed to combine decision making in complex learning scenarios with formative scoring and assessment

1.3 FEATURES



1.4 APPLICATIONS



Class
management

Podcasting

Learning for
work

Learning at
and through
work

Cross-
contextual
learning

Life Long
Learning

OTHER BENEFITS



- 1. Relatively inexpensive opportunities, as the cost of mobile devices are significantly less than PCs and laptops**
- 2. Multimedia content delivery & creation options**
- 3. Continuous and situated learning support**
- 4. Decrease in training costs**
- 5. Potentially a more rewarding learning experience**
- 6. New opportunities for traditional educational institutions**
- 7. Readily available a/synchronous learning experience**

Challenges



- 1. Connectivity and battery life**
- 2. Screen size and key size**
- 3. Meeting required bandwidth for nonstop/fast streaming**
- 4. Number of file/asset formats supported by a specific device**
- 5. Content security or copyright issue from authoring group**
- 6. Multiple standards, multiple screen sizes, multiple operating systems**
- 7. Reworking existing E-Learning materials for mobile platforms**
- 8. Limited memory**
- 9. Security**
- 10. Work/life balance**
- 11. Cost of investment**

1.5



**KEEP
CALM
AND**

**LISTEN TO THE
CONCLUSION**

Mobile learning is widely used in schools, workplaces, museums, cities and rural areas around the world.

In comparison to traditional classroom pedagogical approaches, mobile learning allows widened opportunities for timing, location, accessibility and context of learning

References

1. Selwyn, Neil (2001). "Promoting Mr Chips: The construction of the teacher /computer relationship in educational advertising," *Teaching and Teacher Education* Vol. 17, pp3-14
2. www.challenges.openideo.com/challenge/future-of-highered/ideas/ict-based-education
3. [www. ictcurriculum.gov.in](http://www.ictcurriculum.gov.in)
4. Khirwadkar, A. (2005). *Information & Communication Technology in Education*. New Delhi: Sarup & Sons.
5. Khirwadkar, A. (2010). *e-learning Methodology: Perspectives on the Instructional Design for Virtual Classrooms*. New Delhi: Sarup Book Publication Ltd.
6. Zuppo, Colrain M. "Defining ICT in a Boundary less World: The Development of a Working Hierarchy" (PDF). *International Journal of Managing Information Technology (IJMIT)*. p. 19
7. "ICT in Education". Unesco, 2016.
8. Carnoy, Martin. "ICT in Education: Possibilities and Challenges." *Universitat Oberta de Catalunya*, 2005.
9. "Good Practice in Information and Communication Technology for Education." *Asian Development Bank*, 2009