

# The Use of Mobile Technologies in the Current E-Learning Education Transformation

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## Abstract

Mobile devices are present in almost every modern field today, one of the key elements of this technology affecting the functioning of both individuals and organizations is mobile devices, providing sophisticated functionality while becoming ubiquitous used in both everyday life and the professional sphere. Goes. In a knowledgebased economy, effective knowledge management in the organization gives you a competitive edge in the market and it is essential for the survival of the company, so recent years have seen the dynamic development of technology, mobile phones to achieve thisneed. The object of the study is, in the first order, an attempt to organize the term "mobile device" which is commonly used, there is no precise definition, but the device is usually used to analyze the current state of the existing specifications and standards, knowledge context The use of mobile technologies can significantly contribute to the realization of thesituation.

**Keywords:** Knowledge Economy, E-Learning, Knowledge Management, Mobile Technology, Mobile Devices, Organization, Sophisticated Functionality.



## Introduction

Recent changes in various spheres of socio-economic life that result from the development of a new civilizational era in which knowledge becomes the most valuable, therefore it is extremely important how and when it is used both in everyday life and in the professional sphere. It should be kept in mind that business activity is usually not confined to a single location and mobile employees need constant access to knowledge and analysis of the current situation for many implementations of knowledge delivery systems. One of them is e-learning, often understood as the use of modern information technology and communication, in which the participants of the learning process are separated from each other in time and space. This e-learning is successfully used in education both academically, and in employee training for the delivery of knowledge understood as the mobile use of modern information technology anytime, anywhere. It should be noted that in practice extremely mixed learning is often used to impart knowledge, combined with the traditional approach used ubiquitously in the form of online media.

## Based on this sophisticated form of modern teaching, educational systems are expected to be built

The use of mobile technologies in a knowledge-based economy has several advantages, notably:-

- Knowledge Anywhere and anytime access to educational resources,
- It can update educational material,
- It has access to monitoring, management, and control of the learning process at all stages,
- In a knowledge-based economy, the learner needs to incorporate this into his/her learning process.

## E-learning is the most important, it specifically lists

- Its increase in access to learning at all levels of education,
- Privatization of the learning process,
- Cost reduction and learning process improvement in a knowledge-based economy,
- Easy management of the Current and Future Trends in Higher Education Learning.

The listed facilities on the knowledge base have a significant impact on the implementation of the idea of building a society, facilitate its access to educational and training materials. Thus, this educational form of communicating information can be addressed to people interested in improving their abilities, including working people, the elderly, and people with disabilities, regardless of their economic or social status. It is used ubiquitously as online media.

## **Knowledge broadcast technology and mobile devices**

Its accessibility has changed drastically in the past decade, for knowledge transmission, one of the reasons is undoubtedly technological progress, in particular, the development of mobile technology, which plays an important role in modern society and provides many benefits, Be it connectivity, flexibility, interactivity or educational and training awareness, billions of users now have their mobile device, providing its access to new information processes and opportunities in many areas of communication-anywhere, anytime, such as As its importance grows, so does the ubiquitous use of a mobile device, especially as an online media in terms of portability or usage, due to high-speed mobile Internet access, and also the merits.

## **Teaching and learning anywhere, anytime, its access to knowledge resources through the Internet**

Enabling the use of mobile devices has changed significantly in both personal and professional life. In recent years, mobile devices have been used more and more as device delivery tools, showing great potential for obtaining information, knowledge provided by the situation, compared to traditional desktop computers. must be used.

Even though there has been an unprecedented proliferation of mobile devices over the past decade, and 95% of the global population uses it as a ubiquitous form of online media. Covered in particular by cellular networks, the widespread use of mobile technology, and mobile devices in particular. A precise definition of their meaning. An analysis of the research to date allows us to see that there has been a lot of effort in trying to define these concepts. More flexibility exists, definitions specifying which tool should be used should be classified as mobile in a vague and very precise way, and classification tools are usually of arbitrary use.

## **Nowadays "mobile technology", and "mobile device" is particularly important**

Although the terms "mobile technology", and "mobile device" are particularly important nowadays, in common usage, their meaning is still unclear as to the definitions of these concepts.

An interesting proposed brief is a definition-by I. Hussein and M. Adeeb, which states that-'Mobile technology applies mobile to areas defined by mobile Internet connections and devices. It should be emphasized that a mobile device Here mobile software (mobile operating system and mobile application) together with the mobile device (hardware) is understood'.

C. Deale et al. defines a mobile device as the co-existence of a device that is easy to transport, that allows immediate access to information.

W.H. Rogers-Mobile devices means pocket devices that use computers, usually a small screen, a small keyboard with a miniature keyboard 'buttons or touchscreens with a stylus for input and attention to their portability.

Mobile devices can be carried everywhere together with audio players as well as digital cameras and voice recorders etc. Provided are portable, ubiquitous, easily accessible, and used by many people. Pointing to smartphones and tablets as mobile devices have become ubiquitous today, the research conducted so far has analyzed four characteristics of the device (portable, pocket/miniature, handheld, and wireless, i.e. using a mobile connection with the Internet) that it Play a vital role in determining whether a device falls under the category of mobile.

### **Determining properties of mobile technology and definition of the mobile device**

- Computer Hardware / Software
- Mobile technology
- Mobile software
- Computer
- Immovable
- Smartphone tablet
- Laptop
- Mobile wireless connection
- Mobile device
- Apps
- Mobile
- Mobile system
- Operating
- Portable
- Convenient
- Wireless 3G/4G/5G Network

Source: Self-study

### **Conclusion**

Considering the above factors, a mobile device can be defined as "a portable, wireless computing device, that is small enough to be transported without additional equipment and that you can use it by holding it in your hand. Its research lists, commonly used computer equipment is heavier than devices that do not qualify for the listed characteristics to be fully included in the category of mobile devices, information compared to traditional desktop computers, shows great potential for acquiring the knowledge provided by the situation-the

ubiquitous use of mobile devices as online media plays a vital role in the knowledge-based economy and application of mobile technologies in e-learning.

## References

1. F. Martin, J. (2013), Here and Now Mobile Learning: An Experimental Study on the Use of Mobile Technology, "Computers and Education" 2013, 68, pp. 76-85.
2. J. Stahl, M. Grabowski, (2012) Blended Learning Approaches in the INNOTRAIN-IT Project, [in:] Knowledge-Economy-Society: Transfer of Knowledge Contemporary Economy, (ed.) P. Lula, b. Medusa, A. Jake, Foundation Economics of the University of Krakow. P-56, 57.
3. J.F. Yang, (2006) Discussion of media selection and accessible equity in distance learning, "Journal of the American Academy of Business" 10(1), pp. 126-130.
4. JH Nord, (2016) A Report on the State of Mobile Technologies within Organization, "Issues in Information Systems", 2016, 17(1), pp. 70-79.
5. M.A. Adobe, (2009) The Role of Mobile Technology in Promoting Campus-Wide Learning Environment, "Turkish Online Journal of Educational Technology-TOJET" 2009, 8(3), pp. 48-56.