

The effectiveness of mobile learning and alternative evaluation in developing some skills of decorative painting design "urban design" and some skills of alternative evaluation for students of art education

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1-an introduction:

Modern and successive technological developments in this era that have a lot of positive effects in various aspects of life and the educational system in particular and in light of the changes that the world is going through due to the new Corona virus and the major problems that resulted from it, especially in the educational process, therefore saw those in charge of managing the educational system activating Educational strategies based on this technology such as: Distance Learning, E-learning, Virtual Reality, and Mobile Learning, which the research deals with by identifying its effectiveness using it in the field of art education in general and in the field of decorative designs in particular and the education and learning of students for some Decorative painting design skills "the art of urban design" and how to evaluate student performance by employing some alternative evaluation strategies.

2-Research problematic

Educational technology has contributed to the modernization of the means of communication such as the Internet, computers and smart phones, thus it has contributed to the development of traditional educational methods, and technological learning is the main pillar for the development of the educational process, as technology has a tangible role in education, so electronic and digital schools, classes and virtual universities appeared (Muhammad Al-Zahrani, 2005: p. 25). The great development in information technologies and the increase in the development of electronic devices have led to the emergence of a term called mobile learning (Munir Baalbaki, 2012: p.16). Muhammad Al-Hamami defines it, 2006 as "learning anywhere and anytime without the need for a permanent connection to wireless networks with the integration of technologies of all types of wired and wireless networks.

Whiteside, 2018 mentions that mobile learning environments are a form of machine learning that uses and employs artificial intelligence to learn students through interaction and conversation. It is considered a new type of dialogue-based research as it searches for the meaning or intent behind the conversation, then information is called, the appropriate contexts are identified, and the response is sent. Own. Mobile learning has been employed in many branches of science in general and in the field of art education, as far as the researchers know, it has only been used sparingly, and the field of art is one of the fields that need to employ this technology.

Art is a tripartite relationship between the work and the creative designer, the recipient and the conscious connoisseur, the artistic work is the fruit of the designer's creativity through his

experiences and culture that reflects his era, his environment and his society, and it is a crystallized summary of all that through the designer's self-vision. The artistic work, then, is a mirror of the era from the point of view of a creative artist, and the total artworks of an era represent the reading of the excellent elite of this era for its features, philosophy and trends of the era in which they lived and the environmental, cultural and social conditions that excited them and formed their directions, when you contemplate any artwork we find that includes many Values, and these values are rooted in the choice of shapes, colors and the idea that the artistic framework includes, and the designer's job in this case is to organize these values together in an integrated manner and the types of values are: - the intellectual value - the formal value - the color value (Ayman Abdel-Azim, 2005: 116) .

There are organic relations closely related between the artists and the civilizations in which they lived, and those arts in their various types, forms and styles were the result of all the activities circulating in those civilizations, and the forms of art became a reaction and a reflection of the ideological contents presented in those civilizations, arts and eras, and among those various forms and patterns Metabolism is one of the fields of arts such as (urban art) which is of importance in the field of decorative painting. The research deals with identifying the effectiveness of using mobile learning in the field of decorative designs, especially the teaching and learning of students of some decorative painting design skills "The Art of Virtual Urban Design" and how to evaluate students' performance by employing some alternative evaluation strategies.

Hence the research problem arose, which is summarized in the following main question: What is the effectiveness of mobile learning and alternate calendar in developing some decorative painting design skills "virtual urban design" and some alternative calendar skills for art education students?

This question is divided into the following questions:

- What is the possibility of applying mobile learning in developing some of the skills of designing the decorative painting "Virtual Urban Design" among the fifth year students of the Faculty of Art Education, Minia University?
- What is the effectiveness of mobile learning in developing some of the skills of designing the decorative painting "Virtual Urban Design" for the fifth year students at the Faculty of Art Education, Minia University?

What is the effectiveness of mobile learning in developing some alternative evaluation skills for fifth year students at the Faculty of Art Education, Minia University?

3-Research objective: The research aims to:

- Determine the requirements for the application of mobile learning in developing some of the skills of decorative painting design "urban design" and some alternative evaluation skills among students of the fifth year, Faculty of Art Education, Minia University.
- Measuring the effectiveness of mobile learning in developing some of the skills of designing a decorative painting "Urban Design" for students of the fifth year, Faculty of Art Education, Minia University.
- Measuring the effectiveness of mobile learning in developing some alternative assessment skills for fifth year students at the Faculty of Art Education, Minia University.

4-Research importance:

- Maximizing the use of mobile learning systems in bringing about a qualitative leap in the field of education by employing it in educational situations in the various fields of art education and theoretical process.
- The current research may contribute to developing the skills of decorative painting and opening new horizons for researchers to conduct more research in virtual urban art.
- The current research, together with previous studies and research, may contribute to developing a new and conscious vision for the process of evaluating art education using alternative evaluation strategies and tools.

5-Research Methodology:

- **Descriptive and analytical method:** used in the theoretical framework and the preparation of research tools through the study of literature, studies and previous research related to mobile learning and strategies for alternative evaluation and design of the decorative painting "urban design".
- **The semi-experimental approach:** is the selection of the research group, and the application of its tools, where the one group system was chosen, by comparing the pre and post application of the group scores in the technical performance test, the evaluation card, and the note card.

6-Research hypotheses:

Based on the information reached in previous studies, the research hypotheses were formulated as follows:

- Mobile learning contributes to the development of some skills of decorative painting and virtual urban art effectively.
- There are statistically significant differences between the mean scores of the experimental group in the pre / post application in the observation card for developing some decorative painting skills and virtual urban art in favor of the post application.
- There are statistically significant differences between the mean scores of the experimental group in the pre / post application in the observation card for developing some alternative evaluation skills in favor of the post application.

7-Search procedures:

The research procedures are as follows:

search limits:

- Thematic boundaries: Implementing virtual designs for the decorative panel “Urban Design” on the wall and various buildings through pop art and abstract engineering by employing mobile learning through Messenger WhatsApp, Facebook (Telegram Messenger) programs, and using Adobe Illustrator CS6, Adobe Photoshop programs CS6, PicsArt and using Microsoft Office One Note 2010 alternate calendar software.

• **Human Limits:** The research sample was represented by (25) male and female students from the Fifth Division in the Division of Art Education and Art Education at the Faculty of Art Education, Minia University, who were randomly selected as an experimental sample for research.

• **Spatial and temporal boundaries:** a virtual reality that was created for the group on both (Messenger, WhatsApp, Facebook (Telegram Messenger), and the application was carried out in the second semester of the academic year 2019/2020 AD from the first of March to the end of June with a weekly interview with the possibility of consultations throughout the week .

Study tools: The research tools are:

• Experimental treatment tool: represented in the proposed program for employing mobile learning and alternative calendaring in developing some skills of decorative painting and urban design and developing some alternative evaluation skills among students of art education in the fifth division of the divisions of art education and art education at the university level. It was prepared, downloaded and implemented using social media programs (Messenger WhatsApp, Facebook (Telegram Messenger), and used in implementing the application side of the program, Adobe Illustrator CS6, Adobe Photoshop CS6, and PicsArt and using the Microsoft Office One Note 2010 alternative calendar program, using smart devices for easy presence with students, and it was taken into account when preparing the program that it contained many Multimedia and interaction, as shown in Figure (21), which shows the stages of preparing the experimental treatment tool and the steps for implementing the research (prepared by the researcher Prof. Dr. Amal Abu Zeid).

The initial picture of the program, after preparing it, was presented to a group of arbitrators to identify the validity of the educational program using the mobile learning strategy and the alternative evaluation of the application, in the form of an opinion poll to express their opinion on the following points: Clarity of the linguistic wording of the program evaluation card, and the suitability of the criteria contained in the evaluation card The program, and the extent of the program's suitability for the fifth year students at the Faculty of Art Education, Minia University. The results of the referees 'responses ranged from 80% to 100% to indicate the program's suitability for implementation.

Research tools: The study tools were:

- Experimental Processing Tool: The tutorial that is loaded is virtual environments (prepared by the two researchers).
- Assessment tools: represented in the technical performance test, the note card, the student performance assessment card in the implementation of technical works (preparation of the two researchers).

8-Search results: The search found:

- The effectiveness of mobile learning in developing some of the skills of designing the decorative painting "Urban Design" for students of the fifth year, Faculty of Art Education, Minia University.
- The effectiveness of mobile learning in developing some alternative assessment skills for fifth year students at the Faculty of Art Education, Minia University.

9-Recommendations of the research:

The research came with several recommendations, the most important of which are:

- Developing school curricula to keep pace with the times and gradually shift to digital learning that helps to overcome the climatic and health conditions that countries may be exposed to and hinder the completion of the educational process as it currently exists.
- Training faculty and students on many skills for employing mobile learning in the educational process.
- Training faculty and students on alternative assessment strategies.
- Employing the urban design "designing the decorative painting to beautify the walls and develop the visual vision of the viewer."

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