Abstract

The purpose of this study is to determine the effectiveness of the proposed application based on mobile education to develop basic concepts in logical gates, dealing with the methodology and variables of the study, the procedures of the study, the preparation and construction of the study tools, the stages of production of the proposed application and the procedures for implementing the pilot and basic study. The study results showed that there are statistically significant differences at 0.05% between the mean of control, and experimental groups in favor of the experimental group, which means the effectiveness of the proposed model.

References

2. Shan Chang, Y., Hugchien, Y. 2016. Students' innovative environmental perceptions and
Developing the Curriculum of Computer Mathematics using Mobile Educational Techniques to Improve Students' Skills Dealing with Logic Gates

creative performances in cloud-based M-learning, Computer in human Behavior 63, PP 988-994.


6. Mahumoud., Abdelghany, S., 2013. Design and production of a programmed unit according to the model of Abdullatif Al-jazzar to teach the principles of crochet for the students of the preparatory stage - Journal of Faculty of Education, Port Said University, the number fourteenth (P519 – P535).


8. Abdelghany, S. 2013. Design and production of a programmed unit according to the model of Abdullatif Al-Jazzar to teach the principles of crochet for the students of the preparatory stage - Journal of Faculty of Education, Port Said University, the number fourteenth (P519 – P535).

**Index Terms**

Computer Science  
Circuits and Systems

**Keywords**

Mobile education, logical gates, control group, and experimental group.