Designing an e-learning environment based on some artificial intelligence applications on the (Gamma and Magic School) platforms to develop educational video production skills and technological acceptance among students of the Educational Technology Preparation Program Specialist Preparation Program

This research aims to design an e-learning environment based on some artificial intelligence applications on the (Gamma and Magic School) platforms and their impact on developing educational video production skills and technological acceptance among technology students. To achieve this goal, the required tasks related to the educational needs of students in the Educational Technology Specialist Preparation Program in the Educational Video and Television Programs course were identified. The tasks for the educational video course were produced by designing an e-learning environment based on artificial intelligence applications on the (Gamma and Magic School) platforms in the form of presentations and videos designed using Gamma and Magic School applications. The research used an experimental design based on two groups, one experimental and the other control. The research group consisted of (200) male and female students in the third year of the Educational Technology Specialist Preparation Program. They were divided into two groups (control and experimental). The researcher prepared the research tools, which included: a product evaluation card for interactive video production skills and a technology acceptance scale. The validity, reliability, and suitability of these tools for the application were verified. The research tools were applied and pretested on both the control and experimental groups. The experiment was then implemented and the research tools were applied posttest. The scores were then statistically processed.

The research results showed that an e-learning environment based on some artificial intelligence applications on the Gamma and Magic School platforms had an impact on developing both educational video production skills and technological acceptance among students of the Educational Technology Specialist Preparation Program for the experimental group. This result is consistent with many studies. In light of this, the researchers recommended the necessity of training student teachers on the use of various artificial intelligence applications on the Gamma and Magic School platforms due to their positive impact on achieving various science learning outcomes.