

تطوير محتوى تعليمي تفاعلي لزيادة الفاعلية التعليمية باستخدام الواقع المعزز
(مع التطبيق على مادة تك مطبوعات ذات القيمة)

**Develop interactive learning content to increase educational effectiveness
by using augmented reality**

(With the application of a technology of security printing Course)

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Research Introduction:

Technology Courses needs the availability of some materials and devices that help the lecturer to deliver the information to the students.

In some courses, Such as a technology of security printing Course it requires non-traditional tools and devices. it is necessary to have Infrared and ultraviolet rays and other tools to explain the security features of the banknote. As a result of the unavailability of these tools in the study room, the students will have difficulties in understanding some parts of the course, and may be they will confused.

Although the students can easily examine the banknote but he couldn't recognize all security feathers separately. the augmented reality technology allows the enhancement of the print documents by adding the additional graphic elements that enables the user to see and interact with it. So it become necessary to use the augmented reality for helping the lecturer to deliver the information to the students.

Research Problem:

the students will have difficulties in understanding some parts of the a technology of security printing course, and may be they will confused. Because it needs non-traditional and expensive tools , devices to explain it.

In pursuit of the research aim taking the following point:

Using augmented reality technology for creating interactive learning content to help students understanding their courses.

The important results of this research lied in :

Replace the unavailable educational tools and devices with interactive learning content based on augmented reality .

Research methodology:

The curriculum is the experimental method where the researcher to conduct experiments and draw conclusions to achieve the goal of research.

Keywords:

Augmented Reality - technology of security printing - Interactive Design.