

opportunities to minimize the effort and duration of procedures, ultimately improving patient outcomes and optimizing healthcare delivery. While challenges exist, such as cost, training, and ethical considerations, the potential benefits are substantial. As the field of technology continues to advance, healthcare professionals should embrace these innovations, work towards overcoming barriers, and explore future prospects to harness the full potential of technology in the medical domain.

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## EGYPT'S LIVESTOCK OWNERS' STRUGGLES WITH TECHNOLOGY

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**Abstract:** Technology plays a crucial role in modernizing and improving various industries, including agriculture. However, in the context of livestock farming in Egypt, many livestock owners face significant challenges in adopting and utilizing technology effectively. This article explores the struggles faced by Egypt's livestock owners in integrating technology into their operations. It discusses the barriers hindering technology adoption, the potential benefits of technology in livestock farming, and suggests strategies to overcome these challenges. The information presented in this study is based on existing literature and studies conducted in Egypt, highlighting the need for targeted interventions to support technology integration in the livestock sector.

**Key words:** Egypt, livestock farming, technology adoption, challenges, benefits.

### Introduction

Technology has revolutionized numerous industries, enhancing productivity, efficiency, and profitability. In the agricultural sector, technology offers immense potential to modernize farming practices. However, in Egypt's livestock farming industry, many livestock owners encounter obstacles when attempting to adopt and exploit technology. This study sheds light on the struggles faced by Egypt's livestock owners in embracing and utilizing technology effectively.

### Results and discussion

Many livestock owners in Egypt lack access to affordable and appropriate technological tools and equipment. High costs, limited availability, and inadequate infrastructure hinder their ability to adopt and integrate technology into their operations. Also A significant barrier to technology adoption is the limited familiarity and understanding of modern technological solutions among livestock owners. Insufficient training and education programs on the use of technology in livestock farming contribute to this challenge.

The compatibility between existing farming practices and available technologies poses a hurdle. Integrating technology into traditional livestock farming systems requires careful consideration and adaptation to ensure compatibility and effectiveness [1].

Livestock owners often face difficulties in assessing the cost-effectiveness and potential benefits of investing in technology. The lack of clear evidence and case studies displaying the returns on technology adoption make it challenging them to make informed decisions.

Technology can enhance livestock management practices, automate processes, and optimize resource utilization, leading to increased efficiency and productivity in the sector. In addition, Technological solutions such as remote monitoring systems, wearable devices, and precision feeding systems can help monitor and manage animal health, ensuring timely intervention and improved welfare.

Technology enables the collection and analysis of data related to livestock performance, health, and environmental conditions. This data can inform decision-making processes, allowing livestock owners to make more informed choices for their operations. Access to Affordable Technology: Government initiatives and partnerships with technology providers can help facilitate access to affordable and suitable technologies for livestock owners. Subsidy programs or financial assistance can be explored to alleviate the financial burden [2].

Investing in training programs and capacity building initiatives that focus on technological literacy and skills development can empower livestock owners to effectively utilize available technologies.

Strengthening extension services and knowledge transfer mechanisms can facilitate the dissemination of information and best practices regarding technology integration in livestock farming. Collaborations between research institutions, universities, and industry stakeholders can play a crucial role in this regard.

Conducting pilot projects and case studies that showcase the positive impact of technology adoption in livestock farming can help livestock owners understand the potential benefits and motivate them to embrace technology.

### **Conclusion**

Technology has the potential to revolutionize Egypt's livestock farming industry, improving productivity, efficiency, and animal welfare. However, numerous challenges hinder the widespread adoption of technology by livestock owners. By addressing barriers, providing access to affordable technology, offering training and extension services, and demonstrating the value of technology, Egypt can overcome these struggles and unlock the benefits that technology brings to the livestock sector.

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## **THE EFFECTIVENESS OF A MULTIMEDIA-BASED PROGRAM DEVELOPING THE ACHIEVEMENT OF NINTH-GRADE STUDENTS IN THE SUBJECT OF JURISPRUDENCE IN THE CITY OF TAIZ**

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**Abstract:** The study aimed to investigate the effectiveness of a program based on multimedia to develop the achievement of ninth-grade students in the subject of jurisprudence in the city of Taiz, Yemen. The study used the quasi-experimental approach, and its sample consisted of (120) students, from the Martyr Nima Ahmed Rassam School for Girls, distributed into two sections: Experimental and controlled, and to achieve the objectives of the study, the researcher prepared the study tools, which consisted of a program based on multimedia, and a pre- and post-achievement test for the field of jurisprudence from the Islamic education subject taught to students in the ninth grade of basic education. The study found that there were statistically significant differences at the level of significance ( $\alpha \leq 0.05$ ) between the average scores of the post-application in the test of the field of jurisprudence from the Islamic education subject among the students of the experimental group who studied with a program based on multimedia, and the control group who studied in the traditional method, and in favor of the experimental group, which indicates the effectiveness of the program based on multimedia in developing achievement, and the study concluded with a number of recommendations, the most prominent of which are: paying attention to using multimedia programs, following up on everything new and using them in the educational process by teachers, while holding training courses for them on how to prepare, manage and produce multimedia,