Ministry of Health & Population
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Egyptian Doctors Society
For Medical Science
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BUC
BADR UNIVERSITY IN CAIRO
جامعة بـــدر بالقـــاهرة

ARTIFICIAL INTELLIGENCE IN MEDICINE

BADR UNIVERSITY

Perspectives in Practice and Education

IN COLLABORATION WITH

EGYPTIAN DOCTORS SOCIETY FOR MEDICAL SCIENCE



21ST NOVEMBER, 2024

TULIP GOLDEN PLAZA HOTEL, CAIRO

UNDER PATRONAGE OF

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Deputy Prime Minister for Human Development
Minister of Health and Population

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President of Badr University in Cairo

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Professor of Obstetrics and Gynecology at Kasr Al-Ainy and Head of the Artificial Intelligence Center

Prof. Dr. Ghada El-Dorry
Vice Dean of School of Medicine BUC

Welcome Message

On behalf of the Egyptian Doctors Society for Medical Science and BADR University, we would like to welcome you to this conference. a day of Discovery and Discussion.

Artificial Intelligence (AI) is reshaping the way we work. The collaboration between humans and AI is taking the centre stage as AI technologies rapidly enter various sectors, transforming work environments.

Artificial intelligence (AI), Machine Learning (ML), and Deep learning (DL) enable individuals and organizations to analyze immense volumes of data. This data forms the backbone for devising the algorithms that power AI applications.

Traditional AI is a subset of artificial intelligence that is used to perform tasks based on predetermined algorithms.

The revolution of Generative AI or generative artificial intelligence refers to the use of AI to create new content, like text, images, music, audio, and videos. It has been a major milestone in AI.

The medical and healthcare sector is working on utilization of all these technologies enabling machines to sense, comprehend, act, and learn. These AI programs will in turn produce expressive outputs such as free-text explanations, spoken recommendations or image annotations that demonstrate advanced medical reasoning abilities so they can perform administrative and clinical healthcare functions, as well as be used in research and for training purposes.

Most members of the medical and pharmaceutical fields have very limited knowledge of AI and its applications. This conference will provide them with the tools necessary to understand the concepts, become aware of applications in their field and engage with the AI industry providers.

MAJOR FOCUS AREAS

Artificial Intelligence in healthcare
Health Informatics

OBJECTIVES OF THE CONFERENCE

*Introducing artificial intelligence and its fundamental principles.
*Explain machine learning and neural networks
*Explain Traditional, Predictive, and Generative AI
*Address ethical considerations
*Provide a platform for the exchange of information on the latest trends in AI and how the trends are helping achieve Sustainable Healthcare Development.
*Highlight real-world applications in Medicine and Health industry
*Showcase the technology available in Egypt, both local talent or international

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