



**Egyptian Society for Information
Systems and Computer Technology**

27th Scientific Conference on Generative AI and Models Exploring in Future Education and Healthcare for Egyptian Institutions

1. Introduction

Generative AI is becoming an integral part of many people's personal and working lives for activities traditionally thought exclusive to the human mind, such as generating content and brainstorming. In our latest Capgemini Research Institute report, *Why consumers love generative AI*, we explore the potential of generative AI as well as its reception by consumers and their hopes around it.

But first, what is generative AI? Fundamentally, generative AI models have the capability to learn the properties and patterns of data for a wide range of applications - from creating text, images, and videos in different styles to generating personalized content, enabling machines to perform creative tasks that could previously only be completed by people. The different types of generative AI have a range of use cases across text, image and video, audio, chatbots, and search.

But, even with generative AI's huge transformative potential, there are areas of concern that organizations, consumers, and regulators will need to work together to navigate. These include a high level of consumer trust in generative AI, which can sometimes be misplaced and leave consumers vulnerable to threats in areas such as security, privacy, and misinformation.

Despite these potential downsides, it is clear that the impact of generative AI will be enormous. Its mass adoption by consumers in an unprecedented time frame is an indicator of the technology's usefulness in many areas. At the same time, protective mechanisms will be important, in addition to reasonable caution. As consumers continue their journey with generative AI, it will be up to all of us, including organizations and regulators, to ensure that its full potential is utilized in a positive way.

Generative AI is such a versatile tool with so much potential that it is set to become a mainstream

technology. If you are still not sure how to introduce it in your company to transform your business operations, Plain Concepts, can help you.

Therefore, join us in exploring the cutting-edge world of Generative Artificial Intelligence in Education and Healthcare Conference

This 27th Scientific Conference is to focus on the future applications of Generative AI and models on both topics:

- **Generative AI in education:** The use of AI in the classroom may at first be met with some reluctance, but it is something we have been witnessing ever since it was proposed to introduce intelligent calculators in mathematics classes. Teachers will gradually introduce generative AI to generate notes, reports, lesson plans, summaries, and so on. It will also transform education by creating personalized learning experiences. Examples exist, such as Character.ai, a chat room allowing users to chat with AI-generated characters and historical figures.
- **Generative AI and Healthcare:** Thanks to this technology, The healthcare sector will also be one of the most beneficial and at the forefront. Historically, it is one of the most receptive to technological innovations, and this will be no exception. From the generation of synthetic medical images for training models to the creation of personalized treatment plans, generative AI will play a key role in advancing healthcare technologies, diagnostics, and patient care.

2. Conference Main Objectives

Whether you are an educator, researcher, teacher, student or industry professional, this conference is your gateway to understanding how generative AI is revolutionising the way we learn, teach and assess as well as the healthcare of the people. You will learn about cutting-edge technologies and large language models such as ChatGPT, Bard and Claude 2.

Understand how these tools and natural language processing capabilities enable personalized and interactive learning experiences through a series of keynotes, talks, discussion panels and hands on workshops, demonstrations and networking events with leading academics, researchers and industry experts in this area.

3. Conference Main Themes

The conference is to be organized to cover the following main themes:

- Future education and framework for the adoption of generative AI models.
- Future healthcare and the adoption of generative AI.
- Generative AI regulations on Education and Healthcare.
- Generative AI Revolutionizes Software Engineering.

- The impact of Generative AI on the practices, policies and research directions in education or healthcare
- Education or healthcare in the era of generative Ai and its models
- Generative AI implications and considerations for Egyptian Higher Education.
- Revolutionizing education unleashing the power of ChatGPT/AI to empower educators and educational reform.
- Shaping the future of education or healthcare: Exploring the potential and consequences of generative AI and models.
- The emergence role of generative AI in medical education, research and practices.
- Opportunities, challenges, and future directions of generative AI in medical education.
- Generative AI in medicine and healthcare: Opportunities and challenges.

4. PAPER SUBMISSIONS

The paper submissions for the 27th Scientific Conference are to be in the following categories:

- **Full-length submissions:** Interested experts and researchers may submit a full-length original and previously un-published conceptual or empirical research manuscript for review and decision. Accepted papers will be published in the conference proceedings.
- **Research-in-progress submissions:** Interested individual researchers who are engaged in post graduate studies or occupied in research projects for certain enterprises are urged to submit their research plans or projects in progress outcomes.
- **Abstracts:** All the above submitters of papers should provide and present abstracts of their papers of no more than 100 words indicating the key words to be utilized in the intended papers.
- **Paper manuscript Guidelines:**
 - Manuscripts of full length and in-progress papers should not exceed 15 A4 pages, with a maximum of five figures / tables.
 - Papers must be accompanied by a separate cover letter with every author (s) names, address, phone and fax numbers, e-mail, full affiliation, the track or theme to which it is submitted. All correspondences will be sent to the first author unless otherwise specified.
 - Submitters must provide their e-mail address where the acknowledgement will be forwarded.
 - The paper manuscript must contain, in its first page, the paper title, the author (names, an abstract and a list of keywords.
 - All submitted papers must be electronically in MS Word and submitted electronically.
 - The submitted papers must be carefully checked for correct grammar, and spelling.

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- Submitters should use the Conference President e-mail addresses
 - All submissions will undergo a double-blind peer review by at least three external scholars> reviewers.

5. Important Dates:

- Abstracts Submission:
- Research Reports Final Submission Deadline:
- Final Notification of Acceptance/ Rejection:

6. Conference Participants Fees

All conference participants, including presenters of papers and attendees must register for the conference, and are urged to pay the appropriate voluntary registration fee as follows:

- Interested individuals 200 Egyptian pounds for each Egyptian participant and 200 US \$ for non-Egyptian citizens.
- Faculty staff and trainers 100 Egyptian pounds for each person.
- ESISACT and other Egyptian non-governmental organization members are to pay 100 Egyptian pound for each.
- University and higher institution students only 50 Egyptian pounds each.
- Presenters and submitters of research papers and presentation reports are to pay 500 Egyptian pounds for each paper or report for Egyptians, and 200 US \$ for foreigners.
- Organizations, institutions, companies and banks membership in ESISACT are free without charge for only 3 persons; otherwise, 300 Egyptian pounds for each organization when they are not members of ESISACT.
- Organizations, institutions, companies and banks sponsoring the conference 5000 Egyptian pounds for each.

7. CORESPONDENCES

ESISACT: <http://www.esisact.com.eg/>

Chairman of the Conference: Prof. Alaa Mohamed El Ghazali

Coordinator of the Conference: Dr. Hossam Ibrahim Elsobky