ALECSO

Arab League Educational, Cultural and Scientific Organization

Information and Communication Technology Department

The Second Arab International Conference on Artificial Intelligence in Education

Generative AI and Large Language Models (LLMs).

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ALECSO Headquarters - Tunis, Republic of Tunisia

In cooperation with:
Arab Organization for Information and Communication Technology
Millennium @EDU Foundation for Sustainable Education
Smart Learning Institute of Beijing
Khawarizmi Computing Center

https://alecso.org/iacai/

The Arab League Educational, Cultural and Scientific Organization (ALECSO) is organizing the Second Arab International Conference on Artificial Intelligence in Education in October 2024. This conference follows the success of the first conference held in May 2023.

Today, the world is witnessing a rapid technological revolution, with artificial intelligence (AI) at the forefront of these transformations. AI is one of the most prominent technological innovations reshaping various aspects of life through its unprecedented ability to analyze and process data, providing immense opportunities to enhance performance and efficiency in many sectors, including education.

In education, AI offers new possibilities to improve the quality of education and tailor it to the individual needs of each student. Generative AI, with its advanced technologies, helps develop innovative educational tools that support teachers in analyzing student performance and providing personalized recommendations to improve learning. Moreover, these technologies facilitate more effective classroom management and provide additional support to students through interactive and personalized educational applications. All these capabilities enhance the effectiveness of education, making the educational experience more interactive and inclusive, allowing students to achieve better results and a deeper understanding of educational content.

Among the prominent innovations in AI are large language models (LLM) like GPT-4, which have brought about a significant shift in natural language processing. These models offer extensive capabilities for accurately understanding and analyzing texts, contributing to the development of advanced and specialized educational content. These models have attracted significant interest worldwide, with substantial research and development efforts invested in enhancing their performance and expanding their use. This growing interest reflects the increasing importance of this technology in education and scientific research. In this context, many Arab countries have begun adopting this advanced technology, launching pioneering projects to enhance their research and development capabilities in this field, reflecting their commitment to keeping pace with global technological developments and investing in improving education.

This year's conference will focus on generative AI and its applications in education, reviewing the latest technological developments in generative AI and large language models (LLM). It will also present and analyze the most important and successful international and Arab experiences in using AI in education, providing a platform for discussion and exchange between experts, specialists, and educational policymakers, and exploring the ethics and challenges related to the applications of generative AI in education.

Main Themes

The conference will cover the following themes:

1. **Recent Developments in Generative AI and Their Impact on Education:**
   - Development of large language models (LLM) and their applications in classrooms.
   - Applications of generative AI in enhancing personalized learning experiences.
   - Applications of deep learning in analyzing students' academic performance.
   - Use of deep learning in developing intelligent educational tools.
2. **Successful International and Arab Experiences in Using AI in Education:**
   - Case studies from leading educational institutions.
   - International cooperation projects for exchanging experiences and knowledge.
3. **Challenges and Ethics in Using Generative AI in Education:**
   - Ethical issues related to data privacy.
   - The impact of generative AI on the roles of teachers and students.
   - Preserving data privacy in AI applications.
   - Addressing bias in language models and generative AI.

4.TPractical Applications of Generative AI in Classrooms:
- Practical uses of AI to improve daily educational processes.
- Developing innovative educational tools and platforms based on generative AI.

5.Technical Challenges:
- Overcoming technical obstacles in integrating AI into curricula.
- Challenges related to developing the necessary infrastructure to support AI applications in education.

Participants

A wide range of participants is expected, including:
- Experts and specialists in AI and educational technology fields.
- Educational policymakers from various Arab countries.
- Representatives from international educational institutions.
- Representatives from the private sector and leading technology companies.

Cooperating parties