

**TISHK INTERNATIONAL
UNIVERSITY / Erbil
Sustainable Development Goals
Reports: 2024-2025**

**9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE**



Emerging Technology in Architectural Practice

On October 27, 2024, the Architecture Department at Tishk International University hosted a national workshop presented by Mr. Shallaw Hamza, exploring the transformative role of Artificial Intelligence in modern architectural practice. The event provided comprehensive insights into AI's growing influence on the architectural design process.

Workshop Focus Areas

The presentation covered critical AI applications in architecture:

AI-powered design tools and software integration

Machine learning applications in architectural solutions

Conceptual development enhanced by artificial intelligence

Construction documentation automation and optimization

Future trends in AI-driven architectural practice

Technological Impact

Participants gained understanding of how AI technologies:

Revolutionize traditional design processes

Enhance creative possibilities in architectural design

Optimize design solutions through computational analysis

Streamline workflow efficiency in project development

Transform contemporary architectural practices

<https://engineering.tiu.edu.iq/architecture/designing-the-future-ai-in-architecture/>

Educational Objectives

The workshop aimed to:

Familiarize students with emerging AI technologies

Demonstrate practical applications of AI in architecture

Explore machine learning capabilities in design optimization

Prepare students for future technological advancements

Bridge theoretical knowledge with technological innovation

Professional Relevance

This workshop positioned participants at the forefront of:

Technological advancement in architectural education

AI integration in design thinking and processes

Future-ready architectural practice preparation

Innovation in building design and construction

Digital transformation in the architecture industry

The event demonstrated the university's commitment to advancing architectural education through cutting-edge technology, ensuring students remain competitive in an increasingly digital and AI-driven professional landscape.



Signing of MOU Between Faculty of Pharmacy and Amr Lab

The Faculty of Pharmacy at Tishk International University (TIU) celebrated a pivotal moment ON August 27th, with the signing of a Memorandum of Agreement (MOA) with AmrLab. This partnership is expected to foster enhanced collaboration in pharmaceutical education, research, and professional development, while also bridging the gap between academia and the pharmaceutical industry.

The signing ceremony took place at the Faculty of Pharmacy, where Prof. Dr. Abdul Samad, Dean of the Faculty of Pharmacy, and Dr. Amar Abdullah, a distinguished guest of honor, led the proceedings. The event was further enriched by the presence of Dr. Fahad from AmrLab, who played a key role in the discussions. Dr. Ersa Tariq Bayrakdar and Dr. Ahmad H. Ibrahim, from the Faculty, were also in attendance. Prof. Dr. Abdul Samad expressed his excitement about the collaboration, stating, "This agreement signifies a major advancement for both our faculty and AmrLab. It will create new opportunities for research, knowledge exchange, and professional development, benefiting both our students and faculty members."

Dr. Amar Abdullah emphasized the value of industry-academia collaboration in his remarks, noting, "Our partnership with the Faculty of Pharmacy is poised to drive innovation and elevate the quality of pharmaceutical practices." Dr. Fahad echoed these sentiments, highlighting the importance of integrating new technologies and industry trends into the academic framework.

The MOA outlines several areas of cooperation, including joint research projects, faculty and student exchange programs, and the development of cutting-edge educational materials. A key focus of the meeting was on engaging pharmacy students with the industrial sector and familiarizing them with the latest technologies and changes in the job market. This initiative aims to better prepare students for the evolving demands of the pharmaceutical industry. By developing new educational materials and involving students in research and exchange programs, the collaboration enhances the quality of education and prepares students for the pharmaceutical field.

Dr. Ersa and Dr. Ahmad H. Ibrahim also shared their insights on the collaboration, underscoring the importance of such partnerships in enriching the educational experience and equipping students with the skills necessary for successful careers in the pharmaceutical sector.

The signing ceremony concluded with a tour of the Faculty of Pharmacy's facilities, where Dr. Amar Abdullah and Dr. Fahad interacted with faculty members, further solidifying the relationship between the two institutions.

This agreement marks the beginning of a promising collaboration that will not only advance pharmaceutical education and research but also connect students with the dynamic industrial sector, ensuring they are well-prepared for future challenges and opportunities. This collaboration is a great example of how partnerships between universities and industry can work together to achieve common goals and contribute to sustainable development.

<https://pharmacy.tiu.edu.iq/signing-of-memorandum-of-agreement-between-faculty-of-pharmacy-and-amrlab/>



TIU Pharmacy Organized 9th National Pharmacy Workshop on Diabetes

The Faculty of Pharmacy at Tishk International University, in collaboration with Shar Hospital and Getz Pharma, hosted a National Pharmacy Workshop on Diabetes entitled “Better Patient Care Through Physician and Pharmacist Collaboration” on November 17, 2024. The workshop aimed to enhance diabetes management through teamwork among healthcare professionals, focusing on improving health outcomes, raising awareness about early diagnosis, and effective management strategies.

The event was introduced by Asst. Lecturer, Dr. Shajwan Salar, who highlighted the global burden of diabetes with recent statistics. Asst. Prof Dr. Idris Hadi, Head of the Board of Trustees, gave a welcoming speech. Asst. Prof. Dr. Sultan Abu Orabi, President of TIU, highlighted the importance of health awareness and diet for the management of diabetes. Asst. Prof. Dr. Abdulsamad Salahuddin, The Dean of the Faculty of Pharmacy, gave an overview of diabetes and its challenges, stressing the importance of ongoing education.

In the first session, Dr. Karzan M. Abdullah, a clinical cardiologist, presented “Type 2 Diabetes Management Is More Than Just HbA1c Control,” followed by Dr. Haider Sabir, a specialist general surgeon, who introduced the basics of diabetes and the significance of early diagnosis. Dr. Dawan, Manager of Getz Pharma, discussed essential information about the company and the importance of collaboration between educational institutions and pharmaceutical industries.

Free blood glucose monitoring tests were provided, and students organized interactive activities and games, creating a lively atmosphere that added a dynamic and engaging element to the day. The workshop concluded with discussions on strengthening teamwork in healthcare, leaving attendees inspired and better equipped to address diabetes care challenges through knowledge sharing, practical collaboration, and innovation.

<https://pharmacy.tiu.edu.iq/faculty-of-pharmacy-tiu-organized-9th-national-pharmacy-workshop-on-diabetes/>

