

7.4 Energy and the community

7.4.1 Local community outreach for energy efficiency

IU is committed to energy efficiency and the value of renewable energy. Several outreach activities were conducted as listed in the table below and the summary after the table.

Indicator	Details	Evidences
7.4.1	Local community outreach for energy efficiency	https://www.iu.edu.jo/index.php/ar/all-news/1255003534-iu-32408765 https://www.iu.edu.jo/index.php/ar/all-news/1255003681-iu-31 https://www.iu.edu.jo/index.php/ar/all-news/1255003497-iu-324077666 https://iu.edu.jo/index.php/ar/ads/itemlist/category/67-consultation-center

Evidences:

❖ **Isra University hosts the 13th meeting of the Executive Office of the Arab Renewable Energy Authority**

Isra University hosted the 13th annual meeting of the Arab Renewable Energy Authority, in the presence of the University President, Dean of the Faculty of Engineering, Director of the Consulting and Training Centre, and Head of the Department of Renewable Energy, and in the presence of representatives of **Arab countries members of the Executive Office in its current session**. The meeting outcome focussed on the importance of the meeting of the Arab Renewable Energy Authority and its essential and effective role in encouraging the use of renewable energy in the world, spreading awareness and stimulating investments in this field to bring positive revenues to Arab countries. His Excellency the President of the University pointed to the importance of using energy and green hydrogen, stressing the interest paid by the Executive Office of the Arab Renewable Energy Authority, to spread the uses of renewable energies, reduce carbon emissions and increase the share of private sector participation in such projects.

It is noteworthy that Isra University and the Arab Renewable Energy Authority signed a memorandum of understanding for the purposes of **activating research cooperation between members**



of the Arab Authority from Arab countries, partnership in the fields of research and academics, exchange of studies and experiences, organising joint visits for students, faculty members and researchers, participating in holding conferences and seminars, in addition to encouraging scientific studies and research of common interest and research exchange.

The Department of Renewable Energy Engineering at Isra University's College of Engineering organised a scientific trip to the Tafila Wind Power Station. The aim of the trip was to connect theoretical knowledge with practical applications at wind energy generation stations.

This visit took place as part of the course on wind speed and quality analysis. The visit included a tour of the wind farm's control room, an introduction to the components of wind turbines and how they work, as well as an explanation of the electrical and mechanical components of the turbines and the principles of control and braking, both theoretically and practically.

Isra University emphasises practical application by providing an outstanding education that links theoretical knowledge with real-world practice in the labour market. It combines theoretical and practical training with fieldwork, offering students training opportunities that equip them with the skills and competencies required for future careers.



❖ Isra University participates in a workshop on minerals in energy technologies in Arab countries



The College of Engineering at Isra University, represented by Dr. Mohannad Al-Ghraibeh, Head of the Renewable Energy Engineering Department, and Dr. Ismail Hdaib, Assistant Dean for Quality Affairs, participated in a workshop on the status and prospects of minerals used in clean energy technologies in Arab countries from May 7-9, 2024.

The workshop was organised by the Ministry of Energy and Mineral Resources, the Energy and Mineral Regulatory Commission, and the Arab Organisation for Industrial Development, Standardisation, and Mining.

The workshop discussions focused on the increasing demand for minerals in various geological environments and mineral-rich regions, as well as ongoing advancements in modern digital technologies.

Dr. Naseem Al-Nu'man, Dean of the College of Engineering, commended Isra University's support for attending such workshops and benefiting from them, which facilitates the exchange of scientific expertise and acquisition of new knowledge. They emphasised the importance of the workshop as an opportunity for discussions among stakeholders in the mineral wealth sector, experts, and those interested in both the public and private sectors. They highlighted its role in promoting the energy transition to address climate change, keeping pace with technological advancements, and connecting infrastructure, digital technology, and manufacturing sectors to achieve sustainable development goals.