



Ensure Access to Affordable, Reliable, Sustainable and Modern Energy For All

Misr International University (MIU) is committed to advancing clean energy adoption, reducing greenhouse gas emissions, and promoting sustainable energy consumption patterns across campus. This is reflected in the university policy of [Energy-Efficient Renovation and Construction](#) and [Clean Energy Technology policy](#). The university integrates SDG 7 into its operational infrastructure, curriculum, and community engagement activities.

The university's actions focus on:

- Increasing reliance on renewable energy.
- Reducing overall energy consumption.
- Enhancing energy efficiency across campus facilities.
- Supporting research and innovation in sustainable energy technologies.
- Engaging the community in awareness activities on energy conservation.

Energy Consumption and Access on Campus

The university maintains continuous, reliable electricity supply across all facilities, ensuring:

- Safe learning environments,
- Stable operation of laboratories and clinical units,
- Secure electronic and IT infrastructure,
- Uninterrupted online education and digital services,
- Backup generators ensure resilience during any network interruptions.

Energy Efficiency Measures

Misr International University implements multiple measures to reduce energy consumption and enhance efficiency:

- Transition to LED lighting across buildings, administrative units, and outdoor areas.
- Scheduled maintenance to ensure optimal performance.
- Timed lighting systems in classrooms and hallways.
- Awareness campaigns to limit unnecessary consumption.
- IT policies to optimize computer and server energy use.



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Education About SDG 7

Student Courses and Academic Integration

SDG 7 themes are embedded in:

- Engineering courses on power systems, renewable energy, and automation,
- Environmental awareness courses,
- Pharmacy and chemistry courses discussing green production,
- Research methodology courses encouraging sustainable innovation topics.

| 2 – Environmental | | | | |
|-------------------|--------|---|------|---|
| 1 | DAR365 | Principles of Human Comfort | None | 3 |
| 2 | DAR366 | Passive Building Technologies | None | 3 |
| 3 | DAR367 | Appropriate Environmental Building Technologies | None | 2 |
| 4 | DAR368 | Environmental Control: (Air Conditioning and Air Quality) | None | 2 |
| 5 | DAR369 | Environmental Control: (Lighting and Acoustics) | None | 2 |

Courses of Faculty of Engineering, Department of Architecture

MIU Library's Role in SDG 7

The university library provides access to environmental and sustainability-oriented research databases enabling students and researchers to explore global literature on renewable energy, green building, sustainable agriculture, and environmental sciences. This supports research and learning related to SDG 7 and environmental sustainability.

The library's subscription to [GreenFILE](#) offers students and faculty access to thousands of environmental, renewable-energy, sustainability, and climate-related research documents. This is a key asset enabling research, coursework, and awareness-building around energy and sustainability topics. This access supports both undergraduate and postgraduate learning as well as potential research output — a baseline for building an SDG 7-aligned academic portfolio.

Sustainability conference

The university's first conference on sustainability was held on February 2024 and entitled "Creating a Sustainable Future: Innovations, Challenges and Opportunities". [The conference agenda](#) included a **lecture** addressing the university's commitment to achieve SDG 7.



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The lecture entitled “[A Peer-to-Peer Energy Trading System](#)” targeted the problem of wasting renewable energy generated by individuals during hours of low demand. Solving this problem is by creating a system that allows individuals to trade their surplus energy with others with a deficit in their energy generation. This will allow individuals with a deficit to monetize their surplus energy and buy greener energy at a price competitive with that of the national grid. The selling users would profit from energy that they would be wasting otherwise, which incentivizes having setups for generating renewable energy. This will also help the energy sector by reducing the load on the national grid and reducing the need for fossil fuel power plants to meet demand by minimizing the wasted energy generated by renewable energy sources.

Seminars

The seminar “[Climate Change: Causes, Consequences & Possible Solutions](#)”, organized by the Faculty of Al-Alsun and Mass Communication, directly supports SDG 7 (Affordable and Clean Energy) by highlighting the link between climate change and the need for cleaner energy systems.

Professor Enas Elshatoury explained how human activities—such as industrialization, transportation, and deforestation—are tied to unsustainable energy use, stressing the importance of transitioning to renewable energy to reduce emissions. She also outlined the economic and social risks of continued fossil-fuel dependence and referenced COP27 recommendations urging Egypt to integrate climate and clean-energy measures into national strategies.

The seminar concluded with practical actions like using public transport, carpooling, planting trees, and adopting clean energy, helping students understand their role in supporting sustainable, low-carbon energy transitions.

