

7 AFFORDABLE AND
CLEAN ENERGY



SDG 7 Progress Report 2023
University of Dhaka



SDG7: Affordable And Clean Energy

In this 21st century, clean energy is a very important requirement for a country to make its place in the ranks of developing countries. University of Dhaka has taken some very important steps according to this SDG7 which is to “Ensure access to affordable, reliable, sustainable and modern energy for all”.

University of Dhaka facilitated some of its important studies and research about energy sources, efficiency and renewable energy. The university itself has a separate institute called Institute of Energy where the combined effort of different departments helps the purpose of research and development of the present energy production and distribution structure of the country. It also helps to work with the stakeholders of energy production and supply to apply the outcomes of the study in the real world.

According to this SDG, the university campus was impacted by the events below:

- The institute of energy has been the caretaker of the goals of this particular SDG in terms of the university. This is the only institute which dedicatedly works on the clean energy issue. As a result, it becomes a multidisciplinary institution inside the university. In March 2023, this institute organized “*Bangladesh Sustainable Energy Week - 2023*”, where there were a number of seminars and workshops focused on the sources of energy consumption patterns and the ways to increase the use of renewable energy.
- With the government stakeholders, Institute of Energy arranged a seminar titled “*Sustainable Energy Policies and Our Livelihoods*” where the government stakeholders along with the researchers and scientists discussed the policy formulation of the sustainable energy usage and how to impact the livelihood of the general people by those policies.
- The energy park of this institution, which is generally the outdoor workshop of the institute, is a source of good learning for the novice people who want to know more about sustainable and clean renewable energy. This institute welcomes any visitor who wants to learn about this particular agenda. In 2023, the institute hosted Dhaka Home Economics College twice in which the students of that institution learned about the particular agenda.
- Many of the alumni, researchers and resource persons are part of the Ruppur Nuclear Power Plant. In the study curriculum of the Faculty of Science, Nuclear Science is a very impactful course for the student. It is performed with the vision of having the 100 percent manpower from the university to operate the first nuclear power plant of the country. Currently it is planned to be operated by Russian Manpower, but University of Dhaka along with the departments like

Physics, Chemistry, Applied Chemistry, Nuclear Physics and the whole Engineering Faculty are training themselves for this big task. It will be a great help to climate change as it will also ensure carbon emission reduction.

- Institute of Energy, with the assistance of the members has published a number of papers in various journals in the year 2023, which are mainly concerned with the increment of usage of solar energy here in Bangladesh.
- The university is very keen at tracking the electricity consumption of the whole campus, there are currently feasibility studies running about solar panels at the combined effort of the central administration and institute of energy for this purpose. After this study, it will be possible to say about the next steps in this criterion.