



الجامعة الهاشمية



# The Hashemite University Renewable Energy Center

## Student Activates Report 2022/2023



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## Introduction:

At The Hashemite University, we recognize that the future of sustainability rests in the hands of the next generation. As part of our unwavering commitment to nurturing environmentally conscious leaders, the Renewable Energy Center actively engages with students through different Energy and Sustainable Development Clubs. These vibrant clubs serve as dynamic platforms where aspiring scholars unite, inspired by a shared vision of driving positive change in the realm of renewable energy and sustainable practices.

Led by the exemplary guidance of the Renewable Energy Center's experts, students actively participate in a myriad of activities that enrich their understanding of green technologies, environmental preservation, and sustainable development. Through these clubs, our students are encouraged to explore innovative solutions to pressing environmental challenges, aligning their passions with real-world impact. The clubs foster an inclusive and welcoming environment, promoting open discussions, idea exchange, and collaboration, which ultimately fuels the creativity and potential of each student.

Engaging in hands-on projects, workshops, seminars and training courses members of different Energy and Sustainable Development Clubs actively contribute to the advancement of renewable energy technologies on our campus. From constructing and maintaining solar panels to organizing sustainability-focused events, students embrace a proactive approach, leaving a tangible imprint on our university's green initiatives. Beyond our campus borders, these clubs extend their influence into the local community, creating awareness campaigns and initiatives that promote energy conservation and eco-friendly practices. Through community outreach programs, students inspire others to join the global movement towards a sustainable future.

The Renewable Energy Center takes immense pride in fostering a culture of sustainability within our student community through Energy and Sustainable Development Clubs. By providing a supportive and encouraging environment, we empower our students to become sustainability advocates and change-makers, laying the groundwork for a brighter and greener tomorrow. Together, we aim to build a legacy of environmental responsibility, embracing renewable energy as the catalyst for positive transformation both on campus and in the wider world. As we continue to pave the way for a sustainable future, we remain committed to inspiring and empowering the next generation of leaders who will shape a better, greener world for generations to come.



## Energy and Sustainable Development Clubs at The Hashemite University:

The Hashemite University takes great pride in fostering a culture of sustainability and environmental awareness through various Energy and Sustainable Development Clubs. These clubs serve as dynamic forums where passionate students unite to explore and contribute to the global movement towards a greener and more sustainable future. Each club brings its unique focus and mission, inspiring its members to actively engage in projects, workshops, and events that align with their environmental interests and aspirations. Let's explore some of these impactful clubs:

### IEEE/ PES Chapter:

The IEEE/ PES Chapter stands as one of the largest and prestigious forums at The Hashemite University, providing a platform to share the latest developments in electric power systems and their impact on society. With a keen focus on renewable energy resources, the club invites its members to discuss and contribute to addressing existing and emerging technology challenges in the field. Through workshops, seminars, and discussions, students immerse themselves in the world of renewable energy and its transformative potential. You can find more about the IEEE/ PES Chapter on their Facebook page and the IEEE Jordan Student Branches website.

<https://www.facebook.com/IEEEHU/>

<https://site.ieee.org/jordan/student-branches/>

### Environmental and Astronomical Club:

Within the university's non-systematic fields, the Environmental and Astronomical Club gathers students with a deep interest in environmental and astronomical matters. The club's mission revolves around contributing to the protection and preservation of the environment while raising awareness about sustainability. By honing students' skills and ambitions related to environmental phenomena, the club empowers its members to become advocates for environmental sustainability. For more information, students can visit the club's page on the Hashemite University website.

<https://hu.edu.jo/en/facnew/index.aspx?typ=217&unitid=70000000>



### Food Security Club:

The Food Security Club emphasizes the vital role of agriculture in our lives and highlights the significance of food as a crucial factor in the security of countries and communities. Through workshops, events, and research encouragement, the club aims to raise awareness about food security issues. By engaging students in these activities, the club fosters a sense of responsibility and empowerment in contributing to sustainable and secure food systems. Detailed information about the club's initiatives can be found on the Hashemite University website.

<https://hu.edu.jo/en/facnew/index.aspx?typ=224&unitid=70000000>

### Engineering Club:

The Engineering Club is dedicated to providing comprehensive support for students interested in the field of engineering. Through a combination of classroom and extracurricular activities and programs, the club focuses on students' holistic development as integrated engineering figures. By embracing developmental, scientific, technical, cultural, and social work, the club plays a crucial role in shaping the future engineers who will drive sustainability and innovation in the engineering field. Students interested in joining the Engineering Club can find more details on the Hashemite University website.

<https://hu.edu.jo/en/facnew/index.aspx?typ=211&unitid=70000000>

In each of these Energy and Sustainable Development Clubs, students are encouraged to collaborate, innovate, and actively contribute to building a sustainable campus community. Through their diverse activities and initiatives, these clubs complement the efforts of the Renewable Energy Center in empowering the next generation of leaders who will shape a better, greener world for generations to come. The Hashemite University celebrates the dedication and passion of its students in these clubs and continues to support their valuable contributions to the global sustainability movement.



## Training Courses and Community service during 2022/2023:

### Free training course:

- ✓ During 2022, more than 70 undergraduate and graduate students received their technical field training and research during the commencement and operation of the project.
- ✓ Free renewable energy training course over three weeks for students and local community (more than 30 students) during May 2023.

### Student Experience and Scientific Trips

Within the context of the Climate Policy at Hashemite University, our paramount focus is to enhance the student experience by fostering a learning environment that emphasizes sustainability.

To achieve this goal, the following priority actions have been identified:

- ✓ All projects in the campus have a direct positive capacity building and social impact. Students from public and private universities, elementary and secondary schools visited the project to learn about its importance, environmental impact, and the ease, safety and transferability of renewable energy technologies.
- ✓ Since the commencement of PV projects at HU, and through commissioning and operation of the projects, it has had a strong social impact on the campus, and has positively impacted the perceived image of the university as a whole. The PV project has received more than 2000 visitors from outside the university in 75 visits, including official visits by the ambassadors of USA, Sweden, and the Netherland. Students from universities, public and private universities, elementary and secondary schools visited the project to learn about its importance, environmental impact, and the ease, safety and transferability of renewable energy technologies.
- ✓ In 2022/2023, the renewable energy center and PV project has received more than 300 visitors from outside the university in 40 visits. The center also holds a free two weeks training for the university student about designing and implementation PV system. Here are some of the photos from the training sessions and site visits:



