

# SDG7: Affordable and Clean Energy

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### SDGS 7

Galala University plays a pivotal role in advancing Sustainable Development Goal 7 (SDG 7): Affordable and Clean Energy, through a multifaceted approach that encompasses education, research, and community engagement.

#### Educational Initiatives

The university offers specialized programs focused on renewable energy technologies, energy efficiency, and sustainable engineering practices. By equipping students with the knowledge and skills necessary for the energy sector, Galala University fosters a new generation of professionals who are committed to promoting clean and affordable energy solutions.

#### Research and Innovation

Galala University actively engages in research projects aimed at developing innovative energy solutions. This includes exploring solar, wind, and other renewable energy sources, as well as improving energy storage systems and smart grid technologies. The university collaborates with local and international organizations to implement cutting-edge research that can lead to practical applications in the energy sector.



#### Community Engagement


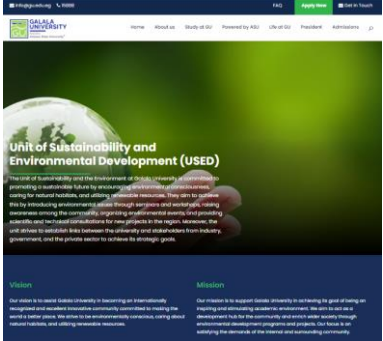
Through outreach programs and partnerships with local communities, Galala University promotes awareness of sustainable energy practices. Workshops, seminars, and public events are organized to educate residents about the benefits of clean energy and energy conservation, fostering a culture of sustainability.

#### Educational Systems Standard - Learning, Scientific Research, and Sustainability

Item	Brief Description	Verification and Proof Guide
1- Number of environment and sustainability-related courses / Total number of courses	41 courses out of 256 are related to environment and sustainability, accounting for 16.5%	Survey conducted by the Educational Administration

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offered by the university		
2- Total number of scholarships and research grants obtained in the last three years and their funding	2	Survey conducted by the Educational Administration
3- Environmental research funding / Total research funding in the last three years	2	Appendix: Report on funded research
4- Number of books, publications, and research on environment and sustainability in the last three years	15 books, publications, and local and international research on environment and sustainability in the last three years	Appendix: Library
5- Number of scientific activities related to environment and sustainability (e.g., seminars, workshops, trainings) in the last three years	5	 <p>Earth Day 2023</p> 

		 <p>University participation in COP27</p>
<p>6- Awareness of sustainability policies through the university's website</p>	<p>Dedicated website for documenting and publishing university activities in sustainability and environmental development:  <a href="https://www.gu.edu.eg/sustainability/">https://www.gu.edu.eg/sustainability/</a>          Most student projects are directed towards using eco-friendly and recycled materials</p>	
<p>7- Innovative solutions to address</p>	<p>Galala University prioritizes environmental and energy initiatives, focusing on reducing greenhouse gas emissions (GHG). The university has implemented two main projects: a 150 kW</p>	

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environmental issues	photovoltaic power station and emissions assessment based on GHG Protocol Scope 1 and Scope 2.\nThrough these projects, the university meets part of its energy needs and serves as a model for sustainable energy adoption.\nAlongside the photovoltaic station, Galala University assesses GHG emissions to understand its environmental impact better and follows GHG Protocol guidelines, focusing on Scope 1 (direct emissions) and Scope 2 (indirect emissions from energy purchases).\nBy implementing these measures, Galala University aims to reduce its carbon footprint and promote renewable energy usage.	
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