

SDG 07

RENEWABLE
ENERGY



LIST OF ACTIVITIES

SR. NO.	ACTIVITY TITLE
1	Clean Energy Object Identification
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6	Hand-drawn Poster Competition
7	My Dream of a Clean Energy Future
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7 AFFORDABLE AND
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ACTIVITY 01: CLEAN ENERGY OBJECT IDENTIFICATION

Organized By:
The Department of Electrical
& Computing Engineering



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, conducted a "Clean Energy Object Identification" exercise. This visual initiative utilized worksheets featuring illustrations of key infrastructure, requiring students to correctly identify technologies such as solar panels, wind turbines, hydroelectric dams, and electric vehicles. This event supported SDG 07, addressing Target 7.2 by familiarizing the younger generation with the physical infrastructure of renewable energy, and Target 7.a, by promoting early exposure to clean energy technology and fostering a technical interest in green solutions.



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ACTIVITY 02: RENEWABLE ENERGY KNOWLEDGE CHALLENGE

Organized By:
The Department of Electrical
& Computing Engineering



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, organized the "Clean Energy Quiz – Renewable Energy Knowledge Challenge". This interactive session tested school students' understanding of fundamental energy concepts, requiring them to distinguish between renewable sources, such as wind, and non-renewable resources like coal and oil. The challenge engaged participants in identifying the main benefits of sustainable power, such as reducing pollution and ensuring sustainability. This initiative aligned with SDG 07, specifically Target 7.2, by increasing awareness of renewable energy sources, and Target 7.3, by emphasizing the importance of energy efficiency in reducing waste.



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ACTIVITY 03:

COLOR THE FUTURE: CLEAN ENERGY AWARENESS

Organized By:
The Department of Electrical
& Computing Engineering



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, hosted an artistic session titled "Color the Future: Clean Energy Awareness". Students engaged in coloring detailed illustrations of green energy sources, serving as a fun, approachable medium to introduce complex sustainability concepts to a younger audience. The event contributed to SDG 07, particularly Target 7.1, by visualizing universal access to modern energy services, and Target 7.2, by creatively reinforcing the necessity of increasing the global renewable energy mix through engaging visual arts.



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ACTIVITY 04: DIGITAL POSTER COMPETITION

Organized By:
**The Department of Electrical
& Computing Engineering**



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, organized the Renewable Energy Poster Competition, an engaging initiative aimed at promoting awareness and innovation around clean and sustainable energy solutions. The competition provided students with a creative platform to visually express ideas related to renewable energy transition, smart technologies, and energy efficiency through digital posters. Participants showcased original and thought-provoking designs reflecting their vision for a greener and more sustainable future. The initiative encouraged innovation, critical thinking, and environmental responsibility among students, while fostering dialogue on the importance of transitioning toward clean energy systems. By integrating creativity with sustainability advocacy, the event effectively contributed to advancing SDG 07, Affordable and Clean Energy, Target 7.2 and 7.3 (promoting renewable energy adoption, enhancing awareness about energy efficiency) particularly by raising awareness and inspiring youth-led action for a sustainable energy future.



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ACTIVITY 05: GUIDED VISIT TO SOLAR POWER HUB OF CUST

Organized By:
**The Directorate of Sustainability
and Environment**



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, organized a “Guided Visit to the University’s Solar Power Hub” aimed at enhancing students’ understanding of renewable energy and promoting awareness of sustainable practices. The event aligned with SDG 07, Target 7.1 access to affordable, reliable energy, Target 7.2 increasing the share of renewables, Target 7.4 i.e. enhancing access to clean energy technologies and cooperation. During the visit, participants explored CUST’s solar power system, including solar panels, inverters, power distribution mechanisms, and grid connection processes, with detailed insights provided by a faculty expert. The event successfully deepened students’ knowledge of practical solar energy applications and inspired them to adopt and advocate for cleaner, greener energy solutions within the university and beyond.



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ACTIVITY 06: HAND-DRAWN POSTER COMPETITION

Organized By:
The Department of Mechanical Engineering



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, organized the Renewable Energy Poster Competition to encourage student innovation and awareness around sustainable energy solutions. Through hand-drawn posters, students visually presented ideas related to renewable energy transition, smart grids, energy efficiency, and future clean energy systems. The competition served as a creative platform for students to express sustainability-driven concepts while strengthening environmental responsibility and critical thinking. By integrating design, innovation, and sustainability advocacy, the initiative effectively advanced SDG 07, Affordable and Clean Energy, particularly Target 7.2 (promoting renewable energy adoption) and Target 7.3 (enhancing awareness about energy efficiency), inspiring youth-led action toward a greener and more energy-efficient future.

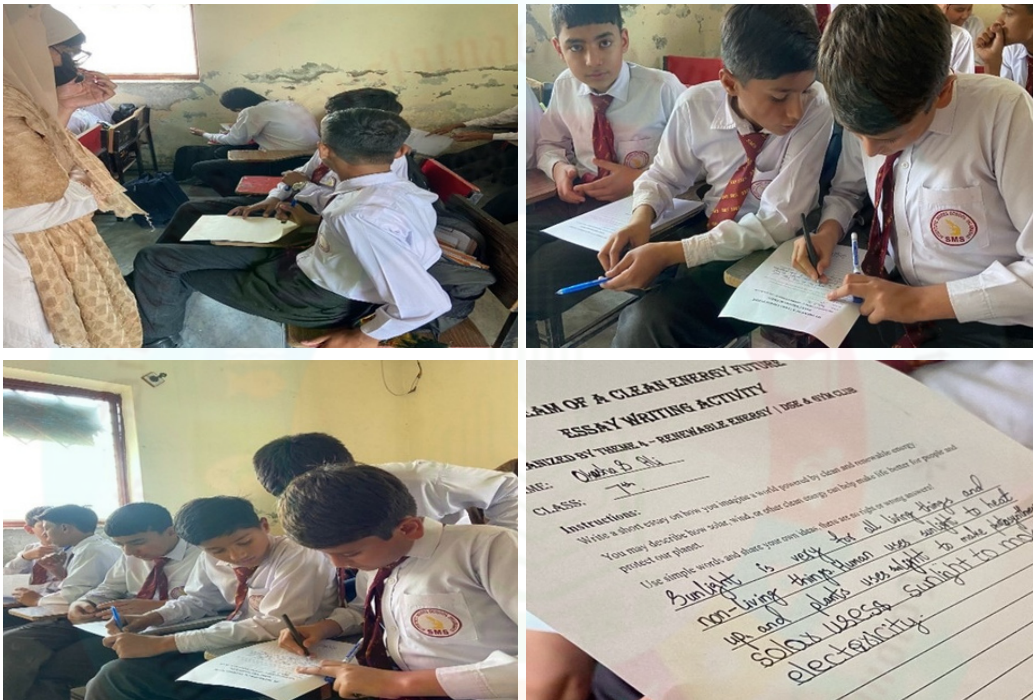


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ACTIVITY 07: MY DREAM OF A CLEAN ENERGY FUTURE

Organized By:
The Green Youth Movement Club



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, organized a creative writing endeavor titled "My Dream of a Clean Energy Future". In this essay writing competition, students were encouraged to use their imagination to describe a world powered entirely by clean and renewable energy. Participants articulated how sources like solar and wind could help make life better for people and protect the planet. This aligned with SDG 07, specifically Target 7.a, by fostering a mindset of international cooperation and future planning for clean energy research, and Target 7.b, by encouraging youth to envision sustainable infrastructure expansion.



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ACTIVITY 08:

POWER CONNECTIONS: MATCH THE ENERGY SOURCE

Organized By:
The Department of Electrical Engineering



The Department of Electrical and Computer Engineering, in collaboration with the Directorate of Sustainability and Environment (DSE) and the GYM Club, facilitated an educational exercise called "Power Connections: Match the Energy Source". Students were tasked with drawing logical connections between images of energy sources such as solar, wind, and hydro and their correct functional descriptions or uses. This session furthered SDG 07 goals, supporting Target 7.1 by clarifying how different modern energy services function, and Target 7.2, by reinforcing the distinct characteristics and advantages of renewable energy sources compared to traditional options.

