

PTUK & SDG7 : Affordable and Clean Energy

Palestine Technical University is actively and diversely working in the fields of clean and renewable energy usage, both internally within the university campus and in collaboration with local community institutions.



Energy & Community

Offering programs in renewable energy

Hosting related conferences and exhibitions

Supporting the government in developing clean energy policies

Conducting advanced researches and provides data-driven reports to support policymakers in energy planning

Organizing Workshops and training programs to enhance national expertise in renewable energy

Acting as a scientific advisor.

International Partnerships focusing on advancing sustainable energy technologies

supporting students with funds and main knowledge for small projects related to renewable energy through Innovation and Entrepreneur Centre

Reduce power consumption

Light sensors in the corridors and rooms

Wide usage of power saving lighting such as LED

90% of the buildings have solar panels

power saving Air conditions (inverter system)

Carbon Management and Emissions Reduction Policy

Achieve an annual reduction in CO2 emissions through sustainable, well-planned initiatives

Enhance investment in low-carbon energy sources to support the transition towards advanced sustainability levels

Improve energy efficiency in university buildings and facilities to reduce energy consumption and carbon emissions

Raise awareness among students and staff on the importance of carbon emission reduction and its environmental impact.

Plans to upgrade buildings to higher energy efficiency

Optimize Lighting Systems

Invest in Renewable Energy Sources

Preventive maintenance activities/ plans

Contracts with local firms for maintenance

Eighteen SDG Scientific Research (2023)

OPTIMIZING SOLAR WATER HEATER PERFORMANCE THROUGH A NUMERICAL STUDY OF ZIG-ZAG SHAPED TUBES

The feasibility of renewable energy recovery from municipal solid wastes in Palestine based on different scenarios

Enhancing solar water heater system for utmost useful energy gain and reduction in greenhouse gas emissions in Gaza

And more.....

Innovation and Low-Carbon Economy Support Policy

Support the establishment of start-ups in low-carbon economy fields.

Provide consulting and services to industry to improve energy efficiency.

Promote innovation in sustainable energy and reduce carbon emissions.

University Building Energy Efficiency Policy

comply with energy efficiency standards for new building

Reduce campus energy consumption support the transition toward a sustainable environment.

awareness of the importance of energy efficiency and its positive impact on the environment

Plan of reducing overall energy consumption

Using smart building sensors

Proper design allowing natural lighting to depend on

Reviews of Energy Consumption & Identifying Energy Wastage



Partnerships

