



UNIVERSITI
TEKNOLOGI
MARA

Fakulti
Kejuruteraan Awam

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FACULTY OF CIVIL ENGINEERING
UNIVERSITI TEKNOLOGI MARA





7 AFFORDABLE AND CLEAN ENERGY



AFFORDABLE AND CLEAN ENERGY: WHY IT MATTERS

WHAT'S THE GOAL HERE?

To promote awareness, innovation, and responsible use of energy through education, research, and sustainable campus and community practices..

TEACHING & LEARNING

Goal: To deliver high-quality, inclusive, and industry-relevant education that supports student success and lifelong learning.

Key contributions

- Integrate sustainable energy and environmental topics into relevant courses.

The faculty integrates energy efficiency and sustainable engineering principles across relevant academic courses, ensuring students are exposed to practical and real-world applications of clean energy concepts.

Courses under SDG 7:

- Mechanical And Electrical Engineering Practice
- Final Year Project I
- Final Year Project II
- Urban Traffic Management

FOUR
teaching
and learning
courses
explored
energy
efficiency
and
sustainable
engineering
solutions

RESEARCH & PUBLICATION

Goal: To advance research that improves water management, sanitation systems, and environmental sustainability.

Key contributions

- Conduct research related to energy-efficient systems and sustainable infrastructure.
- Publish studies addressing environmental performance and energy sustainability.

OPERATION

Goal: To encourage responsible energy use and environmentally sustainable practices within faculty operations.

Key contributions

- Promote energy-saving awareness among staff and students.
- Support sustainable practices that reduce energy consumption in daily operations.
- Participate in university initiatives related to environmental and energy management.



COMMUNITY OUTREACH

Goal: To share knowledge and promote sustainable energy awareness within surrounding communities.

Key contributions

- Conduct outreach programmes related to environmental sustainability and energy awareness.
- Share practical knowledge on energy-saving practices and responsible consumption.
- Collaborate with partners on sustainability-related community initiatives.
- Engage students in volunteer activities promoting environmental responsibility.



STUDENT INITIATIVES

Goal: To empower students to lead and participate in sustainability initiatives related to energy and environmental responsibility.

Key contributions

- Organise student-led sustainability and environmental campaigns.
- Participate in community programmes promoting responsible energy use.
- Support innovation projects focused on sustainable engineering solutions.
- Encourage peer awareness activities on energy conservation.



SUSTAINABLE DEVELOPMENT GOALS

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