



UNIVERSITI
TEKNOLOGI
MARA

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FACULTY OF CIVIL ENGINEERING
UNIVERSITI TEKNOLOGI MARA





15 LIFE ON LAND



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activities on environmental programmes and student initiatives promoted conservation and protection of natural land areas

LIFE ON LAND: WHY IT MATTERS

WHAT'S THE GOAL HERE?

To encourage care for land, ecosystems, and natural environments through responsible engineering education, research, and community actions.

TEACHING & LEARNING

Goal: To help students understand how engineering decisions affect land, nature, and surrounding ecosystems.

Key contributions

- Discuss real impacts of construction and development on soil,

vegetation, and natural habitats.

- Encourage students to consider environmental sensitivity when planning and designing projects.
- Highlight sustainable site practices such as erosion control and green space protection.
- Build awareness that engineers play a role in preserving the natural environment.
- The courses under SDG 15 are Engineering Geology and Final Year Project I & II.

RESEARCH & PUBLICATION

Goal: To support studies that protect land resources and promote environmentally responsible development.

Key contributions

- Carry out research on soil protection, slope safety, and sustainable land development.
- Share findings that help reduce environmental damage from construction activities.
- Work with partners on projects that balance development needs with environmental care.
- Involve students in research linked to land conservation and resilience.

OPERATION

Goal: To minimise the faculty's environmental footprint and promote care for the surrounding environment.

Key contributions

- Encourage responsible waste handling and reduction of activities that may harm the environment.
- Support campus efforts that maintain green, clean, and healthy surroundings.
- Promote simple daily practices that contribute to environmental protection.

COMMUNITY OUTREACH

Goal: To share knowledge that helps communities manage land responsibly and protect their natural surroundings.

Key contributions

- Run outreach activities that raise awareness on environmental protection and land care.
- Share practical tips on preventing soil erosion and managing development responsibly.
- Work with communities on activities that improve environmental awareness.
- Encourage participation in conservation and environmental improvement efforts.

EKSPEDISI BUKIT SAGA

Faculty of Civil Engineering organised the Bukit Saga Expedition as part of its commitment to environmental stewardship and ecosystem awareness. The programme engaged students in outdoor learning activities such as trail exploration, environmental observation, and appreciation of biodiversity within natural forest surroundings. This initiative supports SDG 15 by promoting conservation awareness and fostering responsibility towards protecting terrestrial ecosystems.



STUDENT INITIATIVES

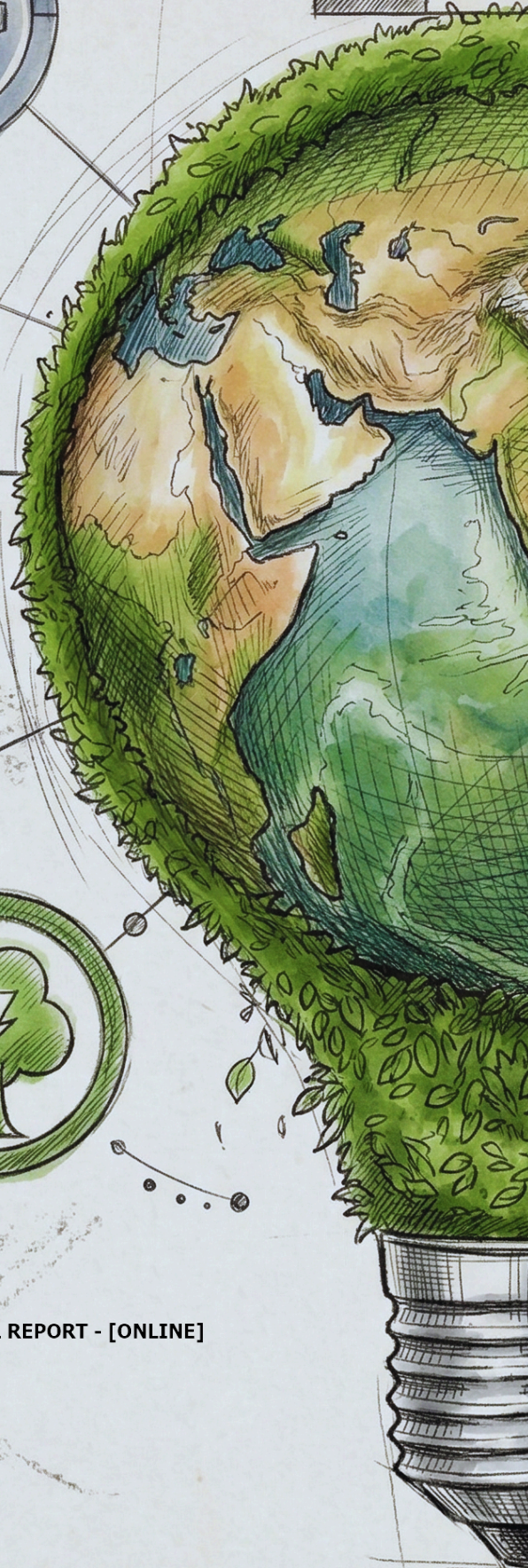
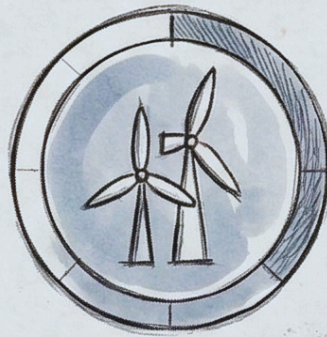
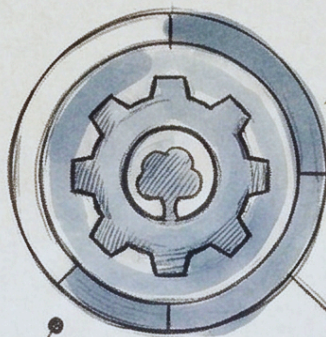
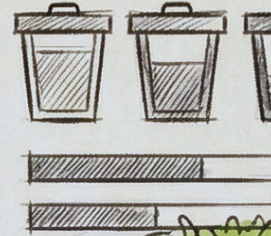
Goal: To inspire students to be active in protecting the environment and natural land areas.

Key contributions

- Organise tree-planting, clean-up, or environmental appreciation programmes.
- Take part in sustainability campaigns that promote environmental responsibility.
- Lead peer awareness efforts on caring for natural surroundings.
- Support student projects that focus on environmental protection.



SUSTAINABLE DEVELOPMENT GOALS



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