



**SUSTAINABLE
EXPERIENTIAL
LEARNING IN
ENVIRONMENTAL
ISSUES, ECOSYSTEM,
TECHNOLOGY &
COMMUNITY
ENGAGEMENT IN
PENANG**



OFFERED BY
**SCHOOL OF DISTANCE EDUCATION,
UNIVERSITI SAINS MALAYSIA**

WE LEAD

Transforming Higher Education for a Sustainable Tomorrow



ABOUT THE PROGRAM

AIM

This program offers experiential learning on environmental sustainability, water waste management, ecosystems, and technology, as well as community engagement.

DELIVERY METHOD

Hands-on activities with local students and communities, industrial talk and tour

IMPACT OF THE PROGRAM

- Participants learn about the unique biodiversity and ecology of the Penang Hill rainforest ecosystem.
- Participants learn about Malaysia's wetland system in order to increase environmental

consciousness and the importance of natural resource preservation.

- Participants value the mangrove area for the preservation of sustainable ecosystems.
- Participants acquire hands-on experience and exposure to industry in the field of sustainable technology.
- Increase participants' sustainability environmental awareness by providing them with the opportunity to observe the state of Malaysian coastlines and the forms of waste that contaminate them.
- Through the community engagement program, participants learn about and experience the distinctive local cultural diversity.





HIGHLIGHTS OF THE PROGRAM





LEARNING OUTCOMES

To learn about biodiversity and environmental conservation in Penang.

To learn the function of the BIOECODS system on-site.

To learn about the function and role of selected plants in constructed wetland system.

To participate in planting mangrove saplings as a natural buffer to prevent land erosion and protecting aquatic life ecosystems.

To develop a comprehensive understanding of sustainable technology and its practical applications.

To improve the coastal ecosystem and maintain the natural beauty of seaside area.



School of Distance Education

Universiti Sains Malaysia, 11800 USM, Penang, Malaysia

PROGRAM DESCRIPTIONS

Program content

This program offers experiential learning on sustainable environment, water management, ecosystem and technology. The program involves various outdoor activities, hands-on activities, industrial talk and an engagement with local communities.

Minimum number of participants: 20

For any enquiry please contact: Project Leader

Dr. Zarina Md Nor
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PROGRAMME DETAILS



NATURE EXPLORATION AT THE HABITAT PENANG HILL

Sustainable Water Resources Management Activities with REDAC

- BIOECODS Campus Cycling and Walking Tour
- Planting of Wetland Plants
- Rafting Challenge

Sustainable Ecosystem Program by CGSS in Merbok, Kedah

- Mangrove Replanting
- SDG Board game

PROGRAMME DETAILS



SUSTAINABLE TECHNOLOGY
VISIT TO KEYSIGHT TECHNOLOGIES
BAYAN LEPAS,
FREE INDUSTRIAL ZONE



COASTAL CLEAN-UP:
QUEENSBAY WATERFRONT



COMMUNITY ENGAGEMENT PROGRAM
BALIK PULAU, PENANG

TEAM MEMBERS

Project Leader

Dr. Zarina Md Nor

Assistants Project Leader

Assoc. Prof. Dr. Zulnaidi Yaacob

Dr. Rafisah Mat Radzi

Person in-charge of the program: Nature Exploration at Penang Hill & Habitat

Mr. Rashid Abdul Rejab

Dr. Rafisah Mat Radzi

Program with REDAC and CGSS

Dr. Izham Mohamad Yusoff

Dr. Seyed Milad Bagheri Ghadikolaei

Industrial Engagement Program

Dr. Sumiyah Sabar

Dr. Nor Zakiah Yahaya

Coastal Clean-up Program

Dr. Zarina Md Nor

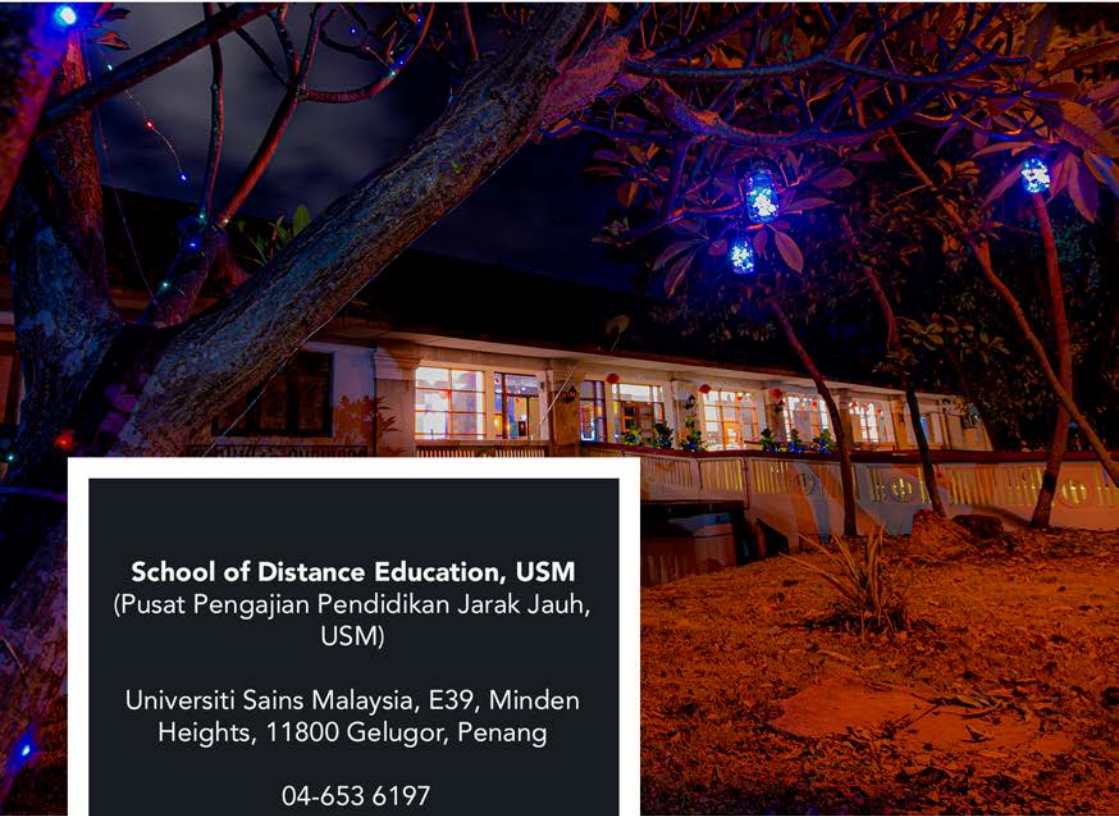
Mr. Rashid Abdul Rejab

Community Engagement Program

Ms. Anis Tasnim Md. Yusof

Dr. Nurul Syafiqah Rezali





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