

Special Report

# UM EDUCATION FOR SUSTAINABLE DEVELOPMENT MOBILITY PROGRAM 2024

*'Just Net Zero'*



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**Assoc. Prof. Dr. Zeeda  
Fatimah Mohamad**

**Director, UM Sustainable  
Development Centre  
(UMSDC)**

**Portfolio: Associate  
Vice-Chancellor  
(Corporate Strategy)**

# FOREWORD

Universiti Malaya Education for Sustainable Development (ESD) Mobility Programme 2024, themed "Just Net-Zero" is particularly special as it brings together a diverse group of students from Coventry University accompanied by UM Global Buddies and Sustainability Volunteers for an enriching one (1) month journey of learning and collaboration.

This program was designed to deepen participants' understanding of sustainable development with a strong focus on net-zero strategies. Participants were exposed to the principles and practices required to achieve net-zero carbon emissions, drawing on the experiences of Malaysia, with a comparative study on the UK counterpart. Through workshops, talks, and hands-on activities, including Sustainability@UM and EcoCampus living labs, participants gained both theoretical and practical insights into achieving net-zero emissions through the lens of ESD.

As we reflect on the transformative impact of the UM Education for Sustainable Development Mobility Programme 2024, we remain hopeful for its lasting ripple effect, through these agent of change, both from UK and Malaysia, in driving positive change toward a just net-zero future.

"Inspire, be inspired."

*Home of the Bright, Land of the Brave  
Di Sini Bermulanya Pintar, Tanah Tumpahnya Berani*



**Madam Rafiza Hashim**

**Director, UM International  
Students & Mobility  
Centre  
(ISC)**

**Portfolio: Deputy Vice-Chancellor  
(Academic & International)**

# FOREWORD

It was an honor to welcome the 13 students from Coventry University to the Universiti Malaysia's Education on Sustainable Development Mobility Program, themed "Just Net Zero." This program, coordinated by the International Students & Mobility Centre (ISC) in collaboration with the UM Sustainable Development Centre (UMSDC), exemplified our shared and continuous commitment to achieving net zero emissions in a manner that is both equitable and just.

Over the course of the month, participants engaged in a rigorous and immersive experience, exploring the complexities of sustainable development through lectures, field visits, cultural immersion activities, and collaborative projects. This program not only provided valuable insights but also fostered the skills necessary to join in the global effort toward a just transition to net zero.

Our partnership with Coventry University enriched this program, and we are confident that the knowledge and connections forged will have a lasting impact on all involved. We trust that this experience has inspired you to contribute meaningfully to the pursuit of a sustainable and just future.

*Home of the Bright, Land of the Brave*

*Di Sini Bermulanya Pintar, Tanah Tumpahnya Berani*

# UM SUSTAINABLE DEVELOPMENT CENTRE (UMSDC) TEAM



**Director, UMSDC**

Assoc. Prof. Dr. Zeeda Fatimah Mohamad



Mr. Fadhli



Mr. Affan



Dr. Azizi



Asiah



Ika



Mairuz



Hisyam


**Mohd Fadhli Rahmat Fakri** (Research Officer, UMSDC)  
**Affan Nasaruddin** (Research Officer, UMSDC)  
**Dr. Azizi Abu Bakar** (Research Officer, UMSDC)  
**Siti Norasiah Abd. Kadir** (Project Officer, UMSDC)  
**Nuratikah Mohd Zainodin** (Research Assistant, UMSDC)  
**Mairuzasmara Fariza Azlan** (Project Officer, UM ZWC)  
**Hisyamuddin Che Harun** (Project Officer, UM ZWC)
 

## SUSTAINABILITY VOLUNTEER



Joyce



Alya



Jeslyn



Farah



Alia



Farrah



Amira



Hanis


**Joyce Chong E-Zin** (Faculty of Science)  
**Nur Alya Maisarah Mohd Azizan** (Faculty of Science)  
**Lee Wai Guan** (Faculty of Science)  
**Farah Batrisyia Fahmi** (Faculty of Business & Economics)  
**Puteri Nur 'Alia Megat Azman** (Faculty of Business & Economics)  
**Farrah Johanne** (Faculty of Business & Economics)  
**Amira Sofia An-Noor Mohd'Uzer** (Faculty of Arts & Social Sciences)  
**Hanis Karina Mohamed Amin** (Faculty of Science)
 



# UM INTERNATIONAL STUDENT AND MOBILITY CENTRE (ISC) TEAM



**Madam Judy**



**Madam Sarah**



**Director of UM ISC**  
**Madam Rafiza Hashim**



**Mr. Hilmie**



**Miss Effa**



**Madam Dayang**


**Sarah Sakeenah Azhari** (Assistant Registrar, ISC)  
**Judy Choong Chai Kun** (Senior Assistant Registrar, ISC)  
**Ahmad Hilmie Ya'akub** (Assistant Registrar, ISC)  
**Nur Efarina Aznan** (Assistant Registrar, ISC)  
**Dayang Siti Khadijah Awang Bujang** (Administrative Assistant)
 

## UM GLOBAL BUDDIES



**Khadijah**



**Amira**



**Farhana**



**Andi**



**Alaska**



**Jun**



**Nadirah**

**Khadijah Rushdan**  
**Amira Hamiza Nor Azam**  
**Farhana Syafiqah Sajdah Johan**  
**Andi Muhammad Ilham Shah Putra Andi Fiser Anas**  
**Ainnur Shahira Abd Khalid**  
**Lai Jun Hao**  
**Nur Nadhirah Amlı**

# COVENTRY UNIVERSITY PARTICIPANTS



**Shuruthi Soruben**  
MEng Aerospace  
Systems Engineering



**Sam-joshua Olubukunmi Oni**  
Architectural Technology



**Hugo Filipe Lopes Costa**  
Mechanical Engineering



**Ashman Alice Jane Antonia**  
Pharmacology



**Gaurav Agarwal**  
Computer Science



**James Peter Maidment**  
Aviation Management



**Lepczynska Oliwia Kamila**  
Engineering/ Motorsport  
Engineering



**Kouser Raheela**  
Computer Science with Artificial  
Intelligence



**Junyan Chen**  
Aviation Management



**Nan Ji**  
Computer Science



**Zahid Fatima**  
Biomedical Science



**Masud Mohammed Fardhin**  
Computer Science



**Yusuf Bassem Abubakr Ahmed Ammar**  
Mechanical Engineering



# J U S T N E T Z E R O



## ENERGY

Attaining net zero requires balancing energy consumption with renewable energy production to ensure net carbon emissions are zero



## MOBILITY

Mobility is the shift to low-carbon transportation aimed at minimizing or eliminating emissions to achieve overall carbon neutrality



## FACILITIES

Facilities are buildings and infrastructure designed to minimize energy use and eliminate carbon emissions, contributing to carbon neutrality



## VALUE CHAIN

Value chain is the sequence of activities from production to delivery, with a focus on minimizing carbon emissions and enhancing sustainability



## WASTE MINIMISATION AND RECYCLING

Waste minimization and recycling aim to reduce waste production and repurpose materials to lessen environmental impact



## BEYOND CAMPUS OPERATION

Beyond Campus Operation refers to initiatives where a university extends its impact beyond the campus through societal change, student engagement and net-zero aligned innovation



## WATER

Water refers to managing and reducing water usage and wastewater impacts to minimize environmental footprint and support overall carbon neutrality.



## BIODIVERSITY

Biodiversity means protecting the variety of life forms to maintain ecological balance and support sustainability





# UM ESD MOBILITY PROGRAM 2024 DAY 1 HIGHLIGHT



4 June 2024 (Tuesday)

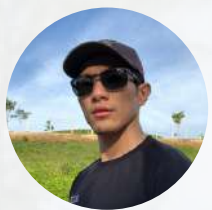


The Cube, Research Management & Innovation Complex (KPPI), Universiti Malaya

Captivating introductory lectures, engaging activities, and innovative collaborative solutions form the cornerstone of this segment, advancing sustainable development both locally and globally.

The first day of activities lays the foundation for participants to delve into sustainability principles, understand the significance of the Just Net-Zero, SDGs, and cultivate teamwork and creativity in discovering sustainable solutions for real-world scenarios.

Participants are immersed in dynamic and engaging sessions that provide insights into achieving net-zero emissions through environmentally friendly practices. These entertaining and interactive courses aim to inspire and motivate individuals to make a positive impact on their surroundings and society, driving the vision of a net-zero future.



### Instructor/Speakers:

1. **Mr. Mohd Fadhl Rahmat Fakri** (Research Officer, UMSDC)
2. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)
3. **Dr. Azizi Abu Bakar** (Research Officer, UMSDC)

### Schedule:

- 9:15am** - Welcoming speech from ISC & UMSDC
- 9:30am** - Get To Know Each Other
- 10:00am** - Ice Breaking
- 10:30am** - Engagement session
- 11:30am** - Group Activity: Just Net-Zero Quiz
- 2:00pm** - Group activity: Sustainability @ Your Place

# Learning outcomes of Day 1:

Activities on the Day 1 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Hands-On Understanding of Net Zero

- Gain an in-depth and experiential understanding of Sustainable Development Goals (SDGs) & Net Zero

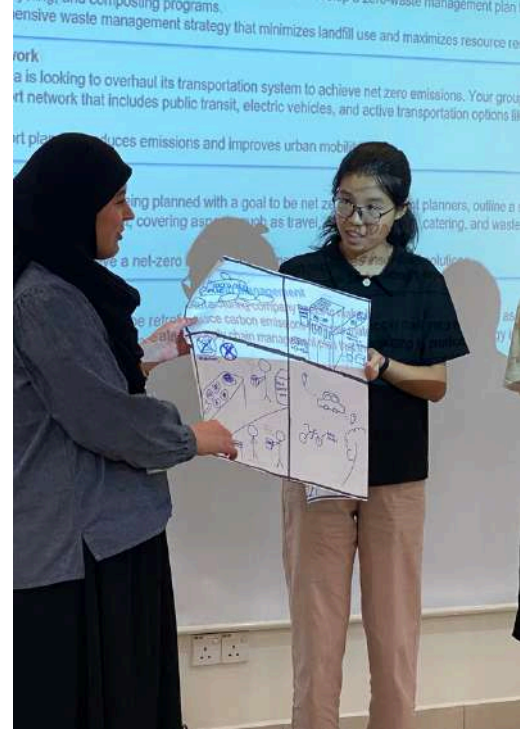
## Application of Sustainability

- Develop skills in making strategic decisions in alignment with sustainability goals.
- Enhances sustainability-related communication, teamwork, negotiation, and project management skills.



## Innovative Thinking

- Participants are encouraged to investigate creative ways for preserving the environment while pursuing net zero goals.







# UM ESD MOBILITY PROGRAM 2024 DAY 2 HIGHLIGHT



5 June 2024 (Wednesday)



Batu Caves, Central Market, National Mosque, Thean Hou Temple, KLCC

On Day 2, participants embarked on a Kuala Lumpur tour, visiting iconic landmarks such as Batu Caves, Central Market, the National Mosque, Thean Hou Temple, and KLCC. This tour offered a rich cultural experience and showcased the city's diverse heritage and vibrant atmosphere.

On Day 2 of the UM ESD Mobility Program on Just Net Zero, participants were treated to a cultural immersion through a Kuala Lumpur tour, visiting the city's iconic landmarks, offering participants a glimpse into Malaysia's religious and cultural diversity.

Through these visits, participants not only experienced the beauty and richness of Kuala Lumpur's heritage but also gained insight into the city's harmonious blend of tradition and modernity. This cultural journey served as a vital component of the program, inspiring participants to consider the role of cultural appreciation in achieving a sustainable and equitable future.



**BATU CAVES**

**CENTRAL MARKET**



**NATIONAL MOSQUE**

**THEAN HOU TEMPLE**



**KUALA LUMPUR CONVENTION CENTRE (KLCC)**

# Learning outcomes of Day 2:

Activities on the Day 2 focuses on the importance of cultural appreciation in building a sustainable and equitable community.



This activity mainly contribute to the following SDGs:



## Cultural and Religious Appreciation

- These interactions highlighted the importance of mutual respect, inclusivity, and cultural preservation contribute to building sustainable and equitable communities worldwide.

## Historical and Architectural Insights

- This journey provided a deeper understanding of how Malaysia's cultural, religious, and historical influences have shaped its architectural landscape, blending tradition with modernity in a way that reflects the nation's unique identity and resilience.



## Engagement with Local Artisans and Crafts

- This activity aimed to bridge cultural understanding and sustainability by showcasing traditional crafts such as batik painting, wood carving, and pottery making.









# UM ESD MOBILITY PROGRAM 2024 DAY 3 HIGHLIGHT



8 June 2024 (Saturday)



Auditorium, Research Management & Innovation Complex (KPPI), Universiti Malaya

The UM World Environment Day Symposium 2024 was a vibrant event promoting sustainability hosted by UMSDC with its strategic partners. It featured a forum on water issues, a "Sustainability Beyond Borders" session, FYP poster presentation, eco-explorace, and hands-on artwork workshop. Participants shared ideas, showcased projects, and inspired action for a greener future.

This landmark event was officiated by Prof. Ir. Dr. Kaharudin Dimiyati (Deputy Vice-Chancellor of Research & Innovation) with the presence of strategic partners (Yayasan Hijau Malaysia & Global Tunikara Sdn. Bhd.). Participants of the UM World Environment Day Symposium (WEDS) came from various backgrounds, including university students, faculty members, sustainability experts, community leaders, and passionate advocates for sustainability. This diverse gathering aimed to foster a collaborative environment where ideas and initiatives for a greener future could be shared and developed.



### Sustainability Partners

1. Yayasan Hijau Malaysia (YHM)
2. Global Tunikara Sdn. Bhd.
3. Universiti Malaya, Malaysia
4. Coventry University, UK
5. Monash University Malaysia
6. University of Colombo, Sri Lanka

### Schedule:

- 8:30am**- Registration & Breakfast
- 8:50am** - The Arrival of Guest
- 9:00am**- Opening Speech by Deputy Vice Chancellor Research & Innovation
- 9:30pm** - Public Forum "Guarding our Water Together"
- 11:00am** - Sustainability Beyond Borders Sharing Session
- 1:00pm** - Lunch
- 2:00pm** - Closing Ceremony

# Learning outcomes of Day 3:

Activities on the Day 3 focuses in promoting Education for Sustainable Development (ESD) in various medium.



This activity mainly contribute to the following SDGs:



## Enhanced Understanding on Water Sustainability

- Gained insights into water conservation, management, and sustainability for effective resource use, clean water and sanitation access.

## Strengthened Global Collaboration Skills

- Provided participants with insights into successful international sustainability projects and fostered a sense of global cooperation and networking.
- Enhanced their ability to collaborate across borders and work towards common sustainability goals.



## Inspiration for Innovative Sustainable Practices:

- Exposed to sustainability research and practical solutions for creating sustainable campus environments, inspiring them to implement similar initiatives in their own communities.









## UM ESD MOBILITY PROGRAM 2024 DAY 4 HIGHLIGHT



9 June 2024 (Sunday)



Auditorium, Research Management & Innovation Complex (KPPI), Universiti Malaya

- The "Empowering Student Leaders for SDG Action" program developed leadership skills in university students through dialogues on the UN Sustainable Development Goals, bringing together students from different universities to share strategies and best practices for campus and community sustainability.

This initiative led by APPGM-SDG in partnership with Ungku Aziz Centre for Development Studies (UAC), UMSDC & UM Community Engagement Centre (UMCares) gave students valuable insights and strategies while building a collaborative network of future sustainability leaders. It provided practical knowledge and inspiration to drive change on campuses and in communities, aiming to cultivate proactive, informed leaders for environmental and social challenges.



**APPGM-SDG**

APPROVED BY THE 15TH MALAYSIAN PARLIAMENT

Organized by All-Party Parliamentary Group-SDG  
(APPGM-SDG)

### Schedule:

- 9:00am** - Introduction
- 10:00am** - Developing Your SDG Leadership Toolkit Part 1
- 11:00am** - Welcoming speech
- 11:30pm** - Keynote Speech
- 11:45am** - Panel Session: Youth Leadership for the SDGs
- 01:00pm** - Lunch
- 02:00pm** - Developing Your SDG Leadership Toolkit Part 2
- 02:40pm** - Developing Action Plan & Moving Forward
- 04:00pm** - Presentations
- 04:45pm** - Closing

# Learning outcomes of Day 4:

Activities on the Day 4 focuses in empowering student leaders on SDGs, tackling different net zero challenges based on the urban context.



This activity mainly contribute to the following SDGs:



## Enhanced Leadership Skills

- Developed key leadership abilities necessary for driving sustainability initiatives and influencing change.

## Practical Sustainability Strategies

- Students gained practical insights and strategies for promoting sustainability on their campuses and in their communities.



## Collaborative Networking

- Built a network of peers from various universities, facilitating collaboration and sharing of best practices for advancing the SDGs









# UM ESD MOBILITY PROGRAM 2024 DAY 5 HIGHLIGHT



10 Jun 2024 (Monday)



Seminar Room, Level 2, Research Management & Innovation Complex (KPPI), Universiti Malaya

Exploring Greenhouse Gas Emissions and Green Building Practices focused on understanding the sources and impacts of greenhouse gases, and learning about sustainable construction and energy-efficient design.

On Day 5, participants explored Greenhouse Gas Emissions and Green Building. They studied the sources and impacts of greenhouse gases on climate change and learned about sustainable construction and energy-efficient designs. Interactive discussions and practical examples helped them understand how reducing emissions and adopting green building practices can lead to a more sustainable future.

## Instructor/Speakers:



### Instructor/Speakers:

1. **Dr. Fong Chng Saun**  
(Coordinator, UMSDC)
2. **Tan Xian Yun** (Phd Student,  
Faculty of Built Environment)
3. **Mr. Fadhli Rahmat Fakhri**  
(Research Officer, UMSDC)

### Schedule:

- 9:00am** - Lecture 1: Greenhouse Gases Emission Reporting  
**10:00am** - Group Activity 1: Just Net Zero  
**12:00pm**- Lunch  
**2:00pm** - Lecture 2: Green Buildings Development in Malaysia  
**4:00pm** - Group Activity 2: Just Net Zero

# Learning outcomes of Day 5:

Activities on the day 5 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:

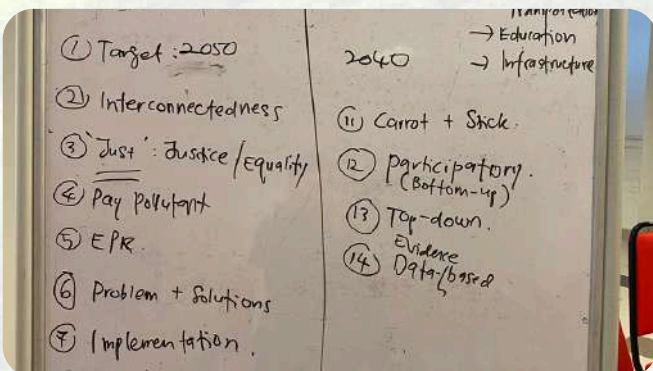


## Understanding Greenhouse Gas Emissions

- Gained knowledge about the sources and impacts of greenhouse gases and how they contribute to climate change.

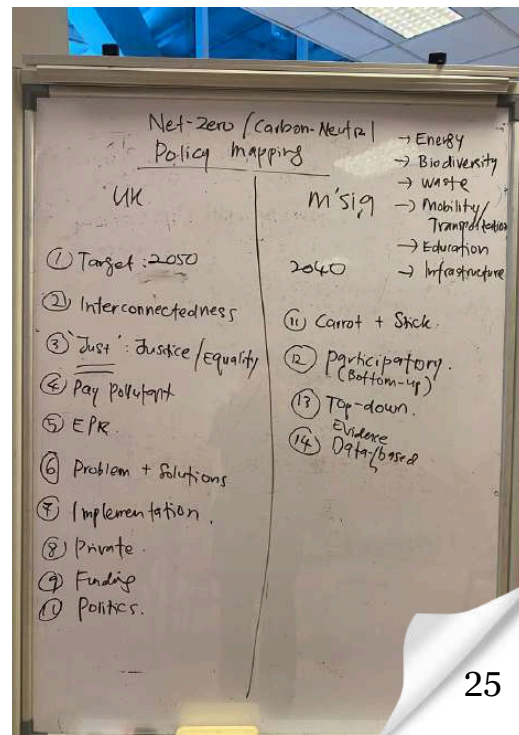
## Principles of Green Building

- Learned about sustainable construction practices and energy-efficient designs that minimize environmental footprints.



## Practical Application

- Through interactive discussions and practical examples, participants understood how to apply emission reduction strategies and green building techniques to support a more sustainable future.







## UM ESD MOBILITY PROGRAM 2024 DAY 6 HIGHLIGHT



11 June 2024 (Tuesday)



Tasik Varsiti, Universiti Malaya

The day's activities offered an immersive and enlightening journey into the realms of water sustainability and net-zero initiatives.

Participants began with a kayaking adventure, gaining firsthand experience with local water ecosystems and appreciating the importance of preserving these resources. This was followed by a Citizen Science session, where they monitored water quality and learned about grassroots efforts to protect waterways.

The day concluded with a Tree Guide session, highlighting the role of trees in water conservation and achieving net-zero impact. This blend of activities and educational sessions provided a deep understanding of how individual and collective actions can drive sustainable environmental change.



### Instructor/Speakers:

1. **Lotfi Amir Saba Wahi** (Sports Centre UM)
2. **Mrs. Siti Norasiah Abdul Kadir** (Co-Founder, Water Warriors)
3. **Miss Nuratikah Mohd Zainodin** (Research Assistant, UMSDC)

### Schedule:

- 9:00am** - Kayaking
- 11:00am** - Citizen Science with Water Warriors
- 12:00pm** - Lunch
- 2:00pm** - Tree Guide

# Learning outcomes of Day 6:

Activities on the day 6 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:

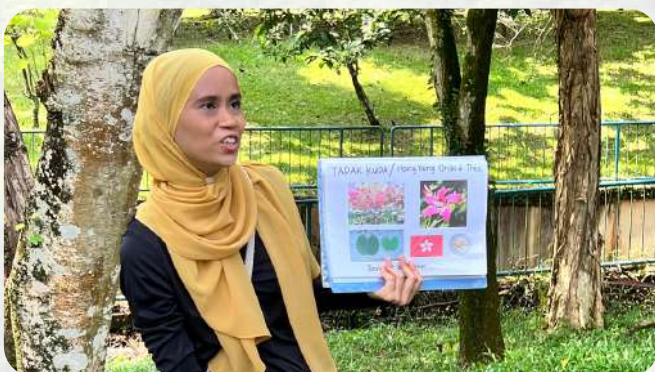


## Hands-On Experience with Water Ecosystems

- Gained direct interaction with local water ecosystems, enhancing their understanding of aquatic environments and their significance.

## Understanding Ecosystem Health

- Gained insights into how water quality affects the overall health of aquatic ecosystems and the species that inhabit them.



## Knowledge of Trees and Net-Zero Impact

- Gained insights into how trees help achieve net-zero environmental impact by sequestering carbon, reducing energy use, and providing ecosystem services.









## UM ESD MOBILITY PROGRAM 2024 DAY 7 HIGHLIGHT



12 June 2024 (Wednesday)



Rimba Ilmu Botanical Garden, Universiti Malaya

On Day 7 of the program, participants gathered at Rimba Ilmu Botanical Garden. Rimba Ilmu, meaning "Forest of Knowledge" in Malay, is a botanical garden that serves as a living museum, dedicated to the preservation and study of plant biodiversity.

This unique setting offered participants an immersive experience to explore diverse plant life and learn about critical research and conservation efforts. They were introduced to various plant species, including rare and endangered ones, and discovered the garden's initiatives to protect these resources.

The visit highlighted the crucial role of botanical gardens in biodiversity conservation, environmental education, and scientific research, providing a comprehensive understanding of their importance in preserving our natural heritage.



### Instructor/Speakers:

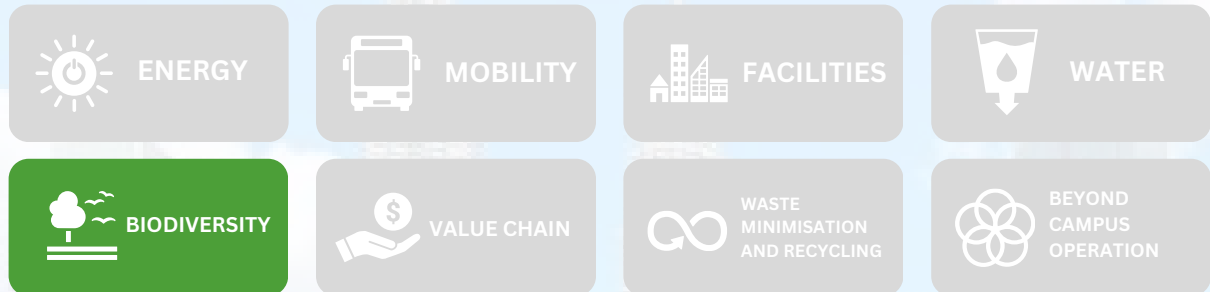
1. **Dr. Thari Gazi** (Rimba Ilmu, UM)
2. **Dr. Sarah Abd. Razak** (Fellow, Rimba Ilmu)
3. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)

### Schedule:

- 9:00am** - Introduction to Rimba Ilmu Botanical Garden (Dr. Thari Gazi)  
**10:00am** - Lecture: Biodiversity Conservation  
**11:00am** - Guided Tour to Rimba Ilmu  
**12:00pm** - Lunch

# Learning outcomes of Day 7:

Activities on the day 7 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Enhanced Knowledge of Plant Biodiversity

- Gained a deeper understanding of various plant species, including rare and endangered ones, and their roles in ecosystems.

## Understanding of Ecological Impact

- They developed an awareness of how preserving plant diversity contributes to broader environmental sustainability and climate action.



## Insight into Conservation Efforts

- Learned about the critical research and conservation initiatives undertaken by the botanical garden to protect plant species and maintain biodiversity.









# UM ESD MOBILITY PROGRAM 2024 DAY 8 (PART I) HIGHLIGHT



13 June 2024 (Thursday)



1. The Cube, Research Management & Innovation Complex (KPPI), Universiti Malaya
2. Zero Waste Campaign, Universiti Malaya

Kickoff to the UM Zero Waste Campaign: Delving into the campaign's goals and strategies for reducing waste on campus, and setting the stage for hands-on learning and engagement in sustainability practices.

The day began with an introduction to the UM Zero Waste Campaign (UM ZWC), outlining its goals and strategies for reducing waste on campus. This was followed by a group activity where participants engaged in hands-on waste management exercises, learning effective techniques for minimizing and managing waste.

The day concluded with a site visit to a Zero Waste Campaign initiative, allowing participants to observe the practical application of waste reduction strategies and gain insights into successful implementation and impact.



### Instructor/Speakers:

1. **Mrs. Mairuzasmara Fariza Azlan** (Project Officer, UMZWC)
2. **Mr. Hisyamuddin Che Harun** (Project Officer, UMZWC)

### Schedule:

- 9:00am** - Introduction to UM Zero Waste Campaign (UM ZWC)
- 10:00am** - Group Activity on Waste Management
- 11:00am** - Site Visit to Zero Waste Campaign
- 12:00pm** - Lunch

# Learning outcomes of Day 8:

Activities on the day eight align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Understanding Waste Reduction Strategies

- Gained insights into effective waste reduction techniques and the objectives of the UM Zero Waste Campaign

## Sustainable Innovation Practices

- Developed creative thinking and innovation skills by transforming waste materials into new, useful products
- Gained an understanding of upcycling as a sustainable practice that reduces waste and promotes resource conservation.



## Real-World Application on Food Waste

- The site visit provided practical experience, illustrating how zero waste strategies are implemented and their impact on sustainability. Food waste turn into compost









## UM ESD MOBILITY PROGRAM 2024 DAY 8 (PART II) HIGHLIGHT



13 June 2024 (Thursday)



Faculty of Engineering, Universiti Malaya

### Exploring Sustainability:

Participants visited the Faculty of Engineering's Urban Farm & CPDM, learning about sustainable urban farming and eco-friendly product design

The visit to the Smart and Sustainability Engineering Urban Farm & CPDM at the Faculty of Engineering provided participants with an in-depth look at sustainable urban farming and advanced product design techniques. The urban farm showcased innovative agricultural approaches, emphasizing sustainability and efficiency.

At the CPDM, participants explored sustainable product design, learning how engineering drives eco-friendly manufacturing. This experience highlighted the Faculty's commitment to sustainable practices and technological innovation.



### Instructor/Speakers:

1. **Dr. Fathiah Mohamed Zuki** (Faculty of Engineering)
2. **Dr. Azzudin Mamat** (Faculty of Engineering)
3. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)

### Schedule:

**2:00pm** - Aquaponic - Dr. Fathiah (Faculty of Engineering)

**3:00pm** - Centre for Product Design and Manufacturing (CPDM) - Dr. Azzudin (Faculty of Engineering)

# Learning outcomes of Day 8 (Part II)

Activities on the day 8 (part ii) align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Understanding Sustainable Urban Farming

- Gained knowledge of innovative practices in urban agriculture, focusing on sustainability and efficiency.

## Advanced Product Design Techniques

- Learned about cutting-edge methods in sustainable product design and how engineering principles contribute to eco-friendly manufacturing processes



## Inspiration for Future Projects

- Participants were inspired by the Faculty of Engineering's commitment to sustainability and technological innovation, motivating them to incorporate these principles into their own work.









# UM ESD MOBILITY PROGRAM 2024 DAY 9 HIGHLIGHT



14 June 2024 (Friday)



All-Party Parliamentary Group Malaysia (APPGM) -  
SDG Office, Petaling Jaya

This segment focused on discussions related to sustainable development initiatives and policies within Malaysia, with a particular emphasis on insights and strategies leading up to and following COP28.

The event began with a session by the All-Party Parliamentary Group Malaysia (APPGM) and its Sustainable Development Goals (SDG) committee. This was followed by a presentation titled "Insight from COP28" by Associate Professor Dr. Helena Varkkey from the UM Climate Change Committee, who analyzed the outcomes of COP28. The event concluded with a session by Nurhafizah Zahiridin, a Climate Youth Representative, from the Seeds Tour @ COP28.



## APPGM-SDG

### Instructor/Speakers:

1. **Zoel Ng** (Director of Corporate Communication Department & MySDG Academy)
2. **Anthony Tan Kee Huat** (Senior Director, Finance & Administration Department)
3. **Yoogeswaran Kanis**
4. **Nurul Syahirah Abd Aziz**
5. **Dana Claudia Undan Dumpangol**
6. **Siti Noraisyah Rohim**



## COP28

### Instructor/Speakers:

1. **Assoc. Prof. Dr. Helena Muhamad Varkkey** (UM Climate Change Committee)
2. **Nurhafizah Zahiridin** (Climate Youth)

### Schedule:

- 9:00am** - Session with NGO 1: APPGM-SDG
- 12:00pm** - Lunch
- 2:30pm** - Lecture: Insights from COP28 by UM Climate Change Committee
- 2:00pm** - Sharing session by Climate Youth Representative: Seeds Tour @ Cop28

# Learning outcomes of Day 9:

Activities on the day 9 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Collaborative Dialogue

- Demonstrated the importance of engaging in collaborative discussions with policymakers, stakeholders, and experts.
- Helped participants develop skills in fostering partnerships and dialogue to drive progress in sustainable development.

## Understanding Climate Action

- Gained insights into the outcomes of COP28 and their implications for global and national climate action strategies, enhancing their knowledge of effective measures for achieving net zero emissions.



## Youth Perspectives on Climate Action

- Gained insights into how young leaders are engaging with climate issues and advocating for change, highlighting the role of youth in driving climate action and sustainability.











## UM ESD MOBILITY PROGRAM 2024 DAY 10 HIGHLIGHT



18 June 2024 (Tuesday)



The Cube, Research Management & Innovation Complex (KPPI), Universiti Malaya

On day 10, participants took part in a range of activities that began with a session dedicated to sustainable development. The session featured two prominent NGOs: Ekonights and Haramakers

Ekonights offered valuable insights into their environmental conservation initiatives, highlighting their efforts to protect and preserve natural resources. Haramakers, on the other hand, presented their innovative strategies for waste management and recycling, illustrating creative approaches to tackle environmental challenges. Both organizations emphasized the critical role of sustainability and the need for inventive solutions to address pressing ecological issues.



### Instructor/Speakers:

1. **Mr. Amlir Ayat** (Acting President, Ecoknights)
2. **Mrs. Chee Lee Yoon** (Co-Founder & COO, Hara Makers)
3. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)

### Schedule:

**9:15am** - Session with NGO 2: Ecoknights

**12:00pm** - Lunch

**2:00pm** - Session with NGO 3: Hara Makers

# Learning outcomes of Day 10:

Activities on the day 10 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Emphasis on Sustainability

- Emphasizing sustainability reinforces net zero objectives by encouraging practices that lower overall carbon emissions and address climate challenges.

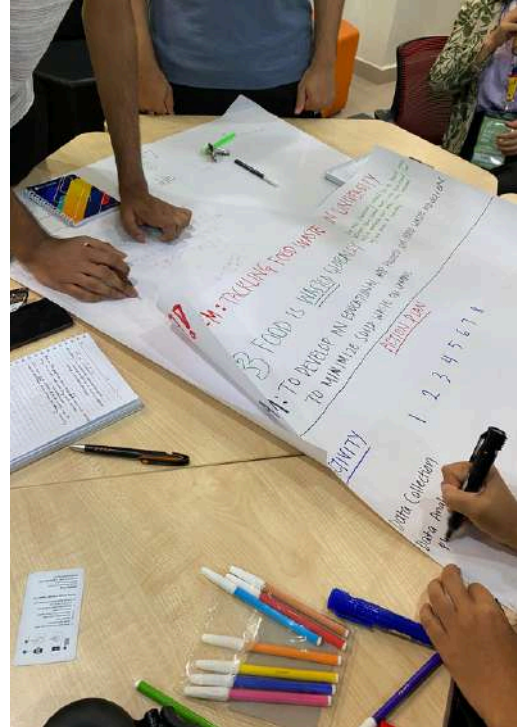
## Understanding Environmental Conservation

- Learning about Ekonights' and Haramakers' conservation efforts helps support net zero goals by promoting practices that reduce carbon footprints.



## Innovative Waste Management Solutions

- Insights from Haramakers on waste management and recycling contribute to net zero by reducing landfill emissions and enhancing resource efficiency.







## UM ESD MOBILITY PROGRAM 2024 DAY 11 HIGHLIGHT



19 June 2024 (Wednesday)



Farm Fresh @ UPM, serdang  
Beryl's Chocolate Factory, Seri kembangan

A Journey of Sustainability and Sweet Discoveries: Exploring the Fresh Produce of Farm Fresh @UPM and the Art of Chocolate Making at Beryl's Chocolate Factory

Participants embarked on an engaging journey, beginning with a visit to 'Farm Fresh @UPM,' where they experienced the freshness of locally grown produce and learned about sustainable farming practices, including organic techniques and crop rotation.

The day continued with a delightful excursion to Beryl's Chocolate Factory, where participants enjoyed tasting a wide variety of chocolates. This adventure showcased the innovation in chocolate production.



**Instructor/Speakers:**

**Miss Nuratikah Mohd Zainodin**  
(Research Assistant, UMSDC)

**Schedule:**

**9:30am** - Visit Farm Fresh @ UPM

**11:00am** - Break

**1:45am**- Visit Beryl's Chocolate Factory

**2:00pm** - End

# Learning outcomes of Day 11:

Activities on the day 11 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Comprehension of Sustainable Farming

- Larned about sustainable farming practices, including organic farming and crop rotation, which contribute to environmental conservation and food security.

## Awareness of Environmental Stewardship

- Gained an understanding of how sustainable agriculture practices can positively impact the environment, promoting biodiversity and soil health.



## Explore the Local Business Food Production

- The exploration of chocolate production at Beryl's Chocolate Factory highlights the role of industry innovation and sustainable economic growth within the food production sector.









## UM ESD MOBILITY PROGRAM 2024 DAY 12 HIGHLIGHT



20 June 2024 (Thursday)



Putrajaya Wetland, Putrajaya  
Fasiliti Inovasi Kitar Semula (FIKS), Putrajaya

### A Comprehensive Journey into Sustainability: Learning about Environmental Conservation at Putrajaya Wetland and Innovative Recycling Techniques at FIKS

Participants immersed themselves in sustainability through an educational visit to Putrajaya. They started at the Putrajaya Corporation, where they learned about the Putrajaya Wetland and its vital role in environmental conservation and biodiversity. Their exploration continued with a visit to the wetland itself.

In the evening, they attended an enlightening session at FIKS (Fasiliti Inovasi Kitar Semula), where they explored innovative recycling and upcycling techniques. The day highlighted the significance of sustainability, waste reduction, and creative methods for repurposing materials.



#### Instructor/Speakers:

1. **Mr Affan Nasaruddin** (Research Officer, UMSDC)
2. **Ms. Normaliza Noordin** (Science Officer, Environment, Lake and Wetland Division, Putrajaya Corporation)
3. **Mdm. Yahzam Muhamad** (Research Officer, Environment, Lake and Wetland Division, Putrajaya Corporation)
4. **Wan Ahmad Fareez Amir** (Senior Executive, Group Communications & Branding, MALAKOFF)

#### Schedule:

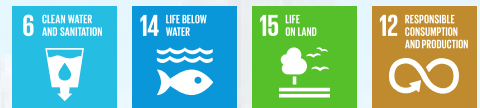
- 9:15am** - Putrajaya Wetland (Putrajaya Corporation)
- 10:00am** - Site Visit to Wetland
- 12:00pm** - Lunch
- 2:00pm** - Circular Economy : Fasiliti Inovasi Kitar Semula (FIKS)

# Learning outcomes of Day 12:

Activities on the day 12 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Understanding the Role of Wetlands in Conservation

- Gained insights into how the Putrajaya Wetland supports environmental conservation, maintains clean water, and fosters biodiversity.

## Exploring Innovative Recycling Techniques

- Provide knowledge about cutting-edge recycling and upcycling methods, highlighting effective strategies for waste reduction and resource conservation.



## Integration of Sustainable Practices

- Understood how sustainable practices like reducing waste and repurposing materials contribute to net zero goals by lowering carbon emissions and enhancing resource efficiency.











# UM ESD MOBILITY PROGRAM 2024 DAY 13 HIGHLIGHT



21 June 2024 (Friday)



Prasarana Malaysia Berhad (Ara Damandara)  
InvestKL, Kuala Lumpur

In-Depth Exploration of Sustainable Initiatives in Malaysia:  
Understanding Public Transport Innovations with Prasarana Malaysia Berhad and ESG Practices from InvestKL

Participants delved into sustainable initiatives in Malaysia, beginning with an informative session at PRASARANA. They explored transportation projects aimed at enhancing public transport efficiency and reducing carbon emissions.

The day continued with an engaging session with InvestKL, where they learned about the integration of Environmental, Social, and Governance (ESG) principles into business operations to support long-term sustainability and responsible growth.

## Instructor/Speakers:



### Prasarana Malaysia Berhad

1. **Mr. Hasrol Rosli** (Head of Sustainability, Prasarana Malaysia Berhad)
2. **Mrs. Ami Soerrayah Aminza**



### InvestKL

1. **Mr. Aidil Azman** (Director, Europe, Middle East and Africa, InvestKL)
2. **Mrs. Nur Fatin Nabila Rosli**
3. **Mr. Khairul Ridzuan Ya'akub**
4. **Ms. Christy Lim**

## Schedule:

**10:00am** - Session with PRASARANA

**12:00am** - Break & Lunch

**2:45pm**- Session with InvestKL

**4:00pm** - END

# Learning outcomes of Day 13:

Activities on the day 13 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Insights into Sustainable Transport

- Learned how transportation projects enhance public transport efficiency and reduce carbon emissions, supporting sustainable urban mobility.

## Understanding ESG Principles

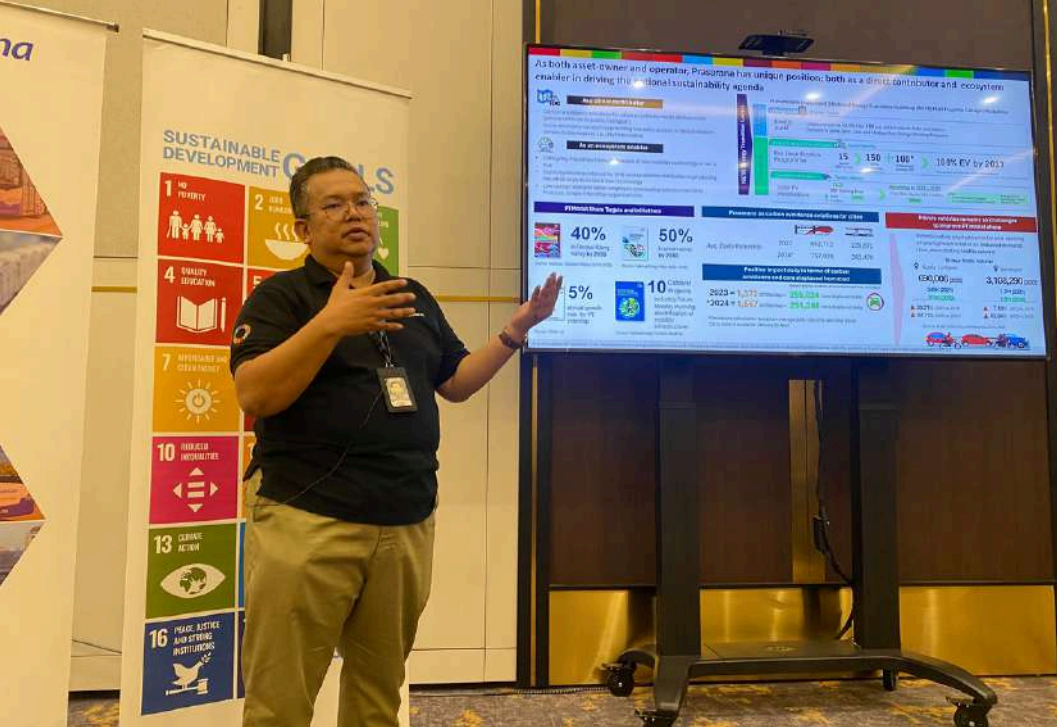
- Gained knowledge about how Environmental, Social, and Governance (ESG) principles are integrated into business operations to promote long-term sustainability.



## Impact on Sustainable Urban Planning

- Highlighted innovative infrastructure solutions contribute to creating resilient and sustainable urban environments.















## UM ESD MOBILITY PROGRAM 2024 DAY 14 HIGHLIGHT



25 June 2024 (Tuesday)



Kuala Selangor Nature Park  
Tanjung Karang  
Melawati Hill, Kuala Selangor

### A Day Celebrating Biodiversity and Heritage: Exploring Kuala Selangor Nature Park, Bukit Melawati, and the Enchanting Fireflies Tour

Participants began their day with an enchanting tour of Kuala Selangor Nature Park, immersing themselves in the diverse flora and fauna. They then continued to Bukit Melawati, exploring its historical museum and taking in the panoramic views.

After a delicious dinner, the participants embarked on a magical Fireflies Tour. Cruising along the river, they were mesmerized by the fireflies illuminating the night. This enchanting experience highlighted the beauty of nature and emphasized the importance of environmental conservation.

The day offered a perfect blend of nature and history, leaving participants with a deeper appreciation for the environment.



#### Instructor/Speakers:

1. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)
2. **Mrs. Norlaila Ahmad Fahmi** (Education Officer, Kuala Selangor Nature park, Malaysian Nature Society)
3. **Mr. Masbudi Abdul Malek** (Manager Kawa Enterprise Inspiration)
4. **Mr. Mohd Faiz Bakar**, (Tour Guide, Kuala Selangor)

#### Schedule:

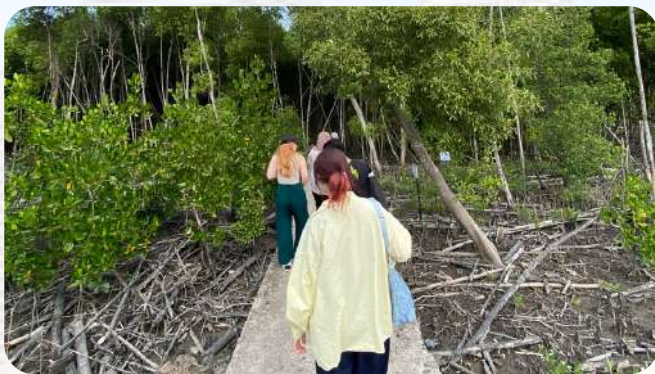
- 9:00am** - Guide Tour to Kuala Selangor Nature Park
- 12:00pm**- Lunch & Check in at AsiaCamp-Cabin Sg Sireh
- 3:00pm**- Hiking Activity & Guide Tour to Melawati Hill/ Kuala Selangor Museum
- 6:00pm** - Dinner
- 8:00pm** - Firefly Watching

# Learning outcomes of Day 14:

Activities on the day 14 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Understanding Mangrove Ecosystems

- Gained insights into the ecological importance of mangrove forests, including their role in coastal protection, biodiversity, and carbon sequestration.

## Cultural and Historical Insight

- Gained valuable knowledge about the historical and cultural heritage of the region
- Enhancing their appreciation for local history through engaging museum exhibits and stories..



## Conservation Importance

- The mesmerizing Fireflies Tour illustrated the delicate balance of natural ecosystems and the impact of human activities, driving home the crucial message of environmental protection and conservation.













## UM ESD MOBILITY PROGRAM 2024 DAY 15 HIGHLIGHT



26 Jun 2024 (Wednesday)



Kampung Sungai Sireh, Tanjung Karang

Exploring Traditional Agricultural Practices: A Hands-On Journey into Paddy Farming and Fishing at Kampung Sungai Sireh, Tanjung Karang, Kuala Selangor

- Participants explored traditional paddy farming and fishing, engaging in hands-on activities like rice planting and net casting. This immersive experience deepened their appreciation for the skills and dedication involved in these age-old practices.

Through this immersive adventure, participants gained valuable insights into the intricacies of paddy farming and the art of fishing, highlighting the importance of sustainable practices. By engaging directly with these methods, they developed a deeper respect for the environment and the vital role it plays in supporting agricultural communities.



### Instructor/Speakers:

1. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)
2. **Mr. Masbudi Abdul Malek** (Manager Kawa Enterprise Inspiration)
3. **Mr. Mohd Faiz Bakar**, (Tour Guide, Kuala Selangor)

### Schedule:

- 9:00am** - Breakfast
- 9:15am** - Tanjung Karang Local Excursion: Paddy farming, fishing
- 12:00am** - Lunch
- 2:00pm** - Back to KL

# Learning outcomes of Day 15:

Activities on the day 15 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Knowledge of Soil and Water Management

- Insights into the types of soil best suited for paddy, water requirements, and techniques for effective water management to ensure optimal growth.

## Understanding Sustainable Agriculture

- Gained insights into sustainable agricultural practices in paddy farming, learning how traditional methods help preserve natural resources and support the sustainability of agricultural communities.



## Understanding Traditional Techniques

- Gained hands-on experience with traditional paddy farming and fishing techniques







# UM ESD MOBILITY PROGRAM 2024 DAY 16 HIGHLIGHT



27 June 2024 (Thursday)



Sungai Klang, Klang, Selangor

Comprehensive River Conservation and Sustainability Educational Trip: Exploring Environmental Stewardship at Sungai Klang as Part of the Selangor Maritime Gateway Project

Participants visit Sungai Klang in Klang as part of a River Educational-Trip Package under the Selangor Maritime Gateway Project. They explore river conservation and sustainability, learning about the ecological importance of rivers and issues like pollution and habitat destruction.

The project emphasizes the need for healthy river ecosystems. Through hands-on activities and discussions, participants learn conservation techniques and sustainable practices to protect these environments.



## Instructor/Speakers:

1. **Mr. Affan Nasaruddin** (Research Officer, UMSDC)
2. **Mr. Ravinesh Uthayasuriyan** (Associate Account Manager, Rantau Golin)
3. **Mrs. Suhailah Shamsudin** (Corporate Services, Landasan Lumayan Sdn. Bhd. - LLSB)

## Schedule:

**9:15am** - Introduction to Sungai Klang

**9:30am** - Cleanup Session

**10:45am**- Boat Tour (Interceptors)

**2:00pm** - End

# Learning outcomes of Day 16:

Activities on the day 16 align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Comprehensive Understanding of Fluvial Ecosystems

- Gained a deep understanding of the ecological significance of river ecosystems, specifically focusing on Sungai Klang.

## Learning About River Interceptors

- Learned about the role and function of the river interceptor technology used at Sungai Klang.
- Learned how these systems help to capture and remove pollutants from the river, contributing to the overall health and sustainability of the ecosystem.



## Awareness of River Management Projects

- Participants became familiar with the Selangor Maritime Gateway Project and other similar initiatives, understanding their goals, strategies, and impact on river conservation and sustainability.









# UM ESD MOBILITY PROGRAM 2024 DAY 17 HIGHLIGHT



28 June 2024 (Friday)



The Cube, Research Management & Innovation Complex (KPPI), Universiti Malaya

A Meaningful Reflection and Celebration: Sharing Insights, Gratitude, and Joy from a Transformative Journey in UM Education For Sustainable Development 'Just Net-Zero'

In a poignant Reflection and Sharing Session, participants exchanged their profound experiences, innovative ideas, and key takeaways from the program. Their heartfelt discussions offered deep insights into the journey they had shared and the lessons they had learned.

As the activity drew to a close, it left participants with cherished memories and a profound sense of fulfillment, reflecting their shared commitment to sustainability and environmental stewardship.



### Instructor/Speakers:

1. **Mr. Mohd Fadhli Rahmat Fakri**  
(Research Officer, UMSDC)
2. **Madam Sarah Sakeenah Azhari**  
(Assistant Registrar, ISC)

### Schedule:

- 9:00am - Closing Ceremony
- 10:00am - Reflection session
- 12:00am- Farewell Lunch
- 2:00pm - End

# Learning outcomes of Day 17:

Activities on the last day align with Just Net-Zero due to their focus on education, sustainable development principles, and fostering positive societal change.



This activity mainly contribute to the following SDGs:



## Deep Understanding of Net-Zero Goals

- Participants articulated the core principles of sustainable development and the concept of 'Just Net-Zero.'

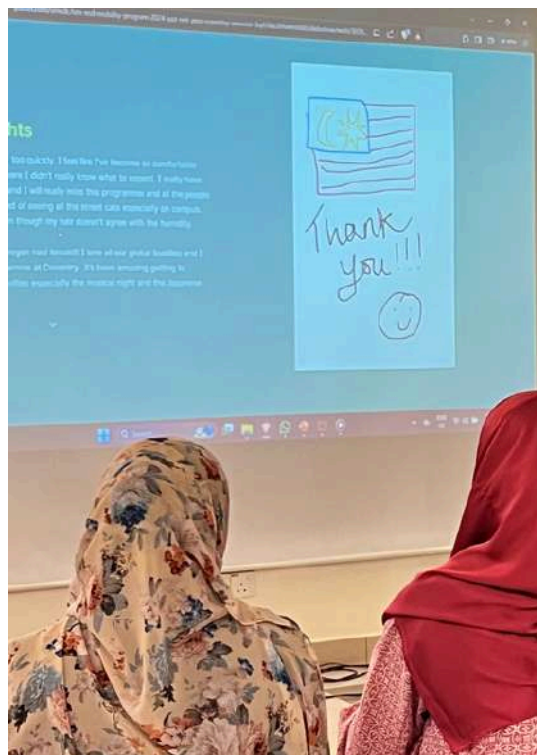
## Community Building and Networking

- Participants strengthened their sense of community and support networks within the context of sustainable development and net-zero goals.



## Insight Sharing

- Participants shared insights and lessons learned from their involvement in the UM Education for Sustainable Development program.





# BEST PARTICIPANTS

2  
TOP



1  
TOP



1  
TOP



2  
TOP



BEST  
AWARD



“The insights  
and skills  
gained from  
this program  
are invaluable”

“

*Participating in the Just Net Zero program has been a transformative experience that has significantly enriched my future study and career prospects as an Architectural Technologist. The insights and skills gained from this program are invaluable, and I am immensely grateful for the opportunity to be part of it.*

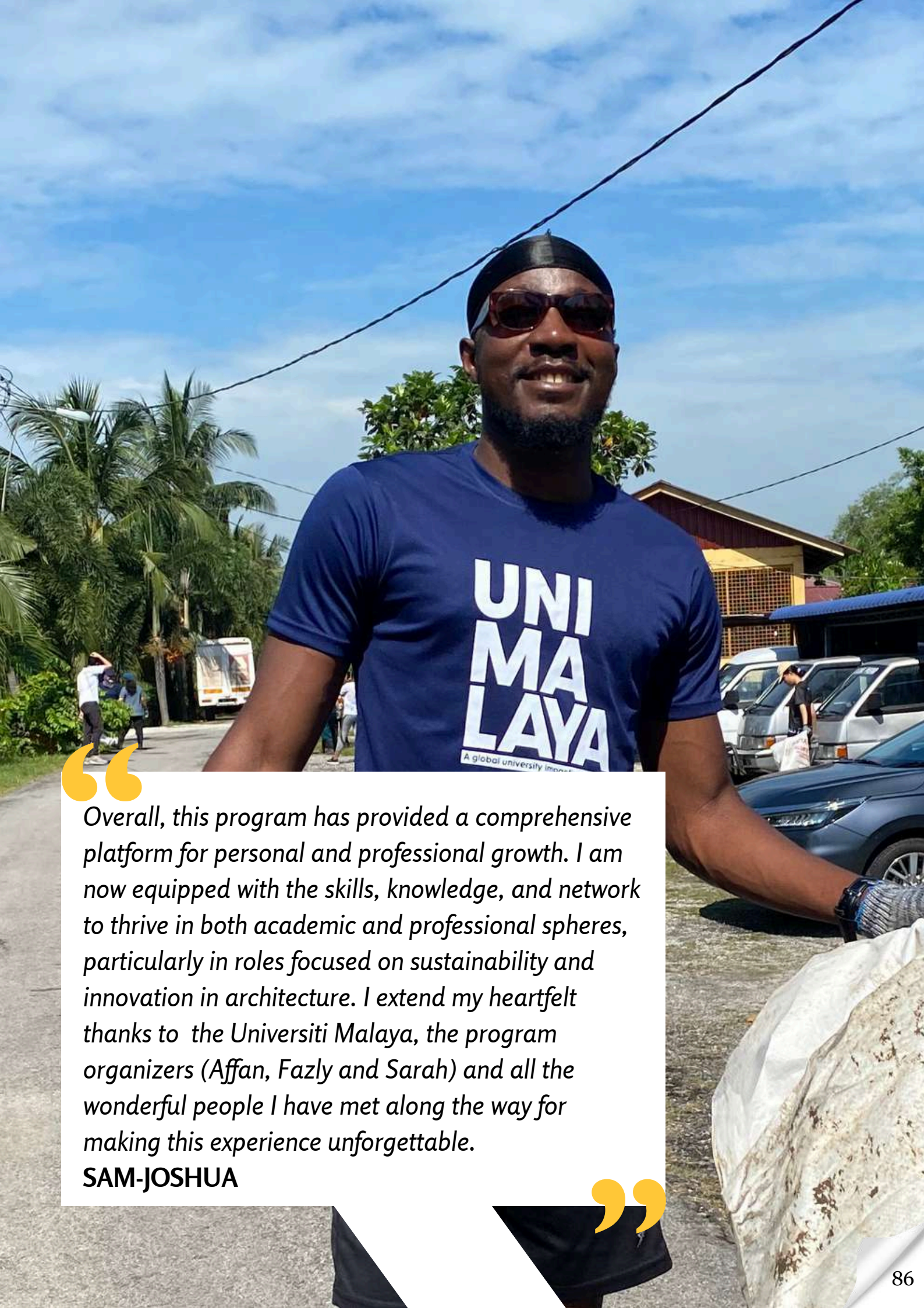
*The program's focus on net zero carbon emissions and sustainable development has provided me with critical insights into sustainable building practices and renewable energies.*

*Exposure to Malaysia's sustainability efforts and climate change mitigation strategies has broadened my understanding of international policies and technologies.*

*Meeting students and professionals from around the world has expanded my professional network, potentially opening up opportunities for international collaborations or projects.*

**SAM-JOSHUA**

”



*Overall, this program has provided a comprehensive platform for personal and professional growth. I am now equipped with the skills, knowledge, and network to thrive in both academic and professional spheres, particularly in roles focused on sustainability and innovation in architecture. I extend my heartfelt thanks to the Universiti Malaya, the program organizers (Affan, Fazly and Sarah) and all the wonderful people I have met along the way for making this experience unforgettable.*

**SAM-JOSHUA**





Each place we visited offered unique insights into sustainability and community efforts.

“

*It feels surreal to write this reflection, reminiscing about the most unforgettable 28 days in Malaysia. The warmth of the people, the richness of the culture, and the immense learning about sustainability have left an indelible mark on my heart. Terima kasih, UM and Malaysia! 🌟*

*Still fresh in my memory is the awkward yet exciting first day when we all met at the university. None of us knew each other, despite coming from the same institution, Coventry University. The opening ceremony was an eye-opener. The ice-breaking session with UM SDC was a fantastic way to start our journey. Looking back, I can't believe how quickly these four weeks flew by. I'm incredibly grateful for the opportunity to be part of this amazing program. 🌱*

**FATIMA**

”



“

*Meeting Mr. Fadli, Mr. Affan, Mr. Azizi, Ika, Mairuz, Sarah, and the UM buddies was an absolute pleasure. I loved the UM goodies bag and have been carrying it everywhere since then. The ice-breaking session was so much fun, and though we were unprepared for the presentations afterwards, we did it! After that, The KL tour was spectacular, with stops at Batu Caves, Central Market, National Mosque, Thean Hou Temple, and KLCC. Every spot was mesmerising. Our bus rides were full of joy and laughter.*

*The presentation on environment day symposium in week 1 was daunting at first, especially as none of us had a background in environmental studies and no one was prepared. I remember the night before, gathering everyone to discuss ideas and working on our presentation in one sitting the next day. The symposium and the APPGM-SDG - UM Program on Empowering Student Leaders for SDGs in Action taught us so much about sustainability. I loved the way people here clap and encourage each other.*

**FATIMA**

”



*In week 2, The first lecture day was engaging and informative. I particularly enjoyed the group activities and discussions. Then came the day where I revealed my true identity as Queen Fatima by falling into the water three times during our kayaking activity. No one seems to talk about the fact that I aced the actual kayaking; it was just the boat-hopping part where I turned into a complete disaster! Despite my fear of water and aversion to swimming, I ended up making some progress that day. It turned out to be one of the most memorable days, filled with laughter and fun, not just for everyone else, but for me as well. Afterwards, thanks to Asiah for the insightful tree guide and knowledge about the flowers, especially Bunga Raya. 🌸*

*Celebrating my first Eid ul Adha in Malaysia was an unforgettable experience. I wore traditional Malaysian clothes, spent the day with a local family, and explored Putrajaya. It was a beautiful cultural exchange, and I felt deeply connected to the community. Week 3 was packed with sessions from various NGOs, including EcoKnights and Hara Makers for upcycling, and a visit to the Putrajaya Wetland and public transport initiatives. I especially enjoyed making a pouch out of plastic wrappers, an activity that highlighted the importance of upcycling. Each place we visited offered unique insights into sustainability and community efforts.*

**FATIMA**



Week 4 was the highlight, starting with Cultural Day activities (batik drawing, Chinese calligraphy, and Malaysian dances). The Selangor tour, including paddy farming and fishing, was incredibly fun and educational. The bus karaoke, the local food, and the people made it an unforgettable experience. The last activity, Sungai Klang cleanup session, taught me a lot about water pollution and river cleaning methods. Not to forget to mention, the Port Dickson trip arranged by Coventry Uni alumni and UM was perfect. The boat ride was fantastic, and I've started to appreciate beaches more. It's hard to believe our farewell ceremony is today.

Lastly, I am also thankful to the patient bus drivers who waited for us each morning. The website documenting our activities in pictures is a treasure trove of memories. I am deeply thankful for Malaysia, the people, the vibe, the food, and especially my 12 amazing fellows from Coventry University. Each one brought a unique personality and cool vibe, and I will miss them all dearly, as I will miss Malaysia and UM.

Special thanks to Ika, Mr. Azizi, Mr. Fadli, and Mr. Affan for capturing these moments and for the short Malay lessons. This experience has been refreshing and much needed, helping me rediscover my confidence and skills. This program has been a catalyst for personal and professional growth. I look forward to applying these lessons in my future endeavors and hope to return to this beautiful country soon Insha Allah. Jumpa lagi!

A heartfelt thank you to my beautiful and sweetest roommate, Oliwia, my personal alarm, and companion for food, shopping, and hangouts. I will miss you.

Terima kasih banyak untuk semuanya, UM dan Malaysia.

**FATIMA**





“Meeting all the NGO's and the Conference helping to learn how universities and NGO's help with improving sustainability”



*I've really enjoyed all the hands on activities such as the river clean up and the use of plastic to make purses that have made me see the impact that pollution has in addition to learning all about the SDG's. Additionally I really enjoyed meeting all the NGO's and the Conference held over the weekend helping to learn how universities and NGO's help with improving sustainability too. Aside from this seeing places like Batu Caves, Kayaking and seeing fireflies were definitely my greatest highlights of this trip!!!!*

**SHURUTHI**





*“This program introduced me to the different ways Malaysian people, organisations, and institutions are tackling the global problem of Net Zero”*

“

*Sustainability and Net Zero are close to my heart and I want to do something positive for the future. This program introduced me to the different ways Malaysian people, organisations and institutions are tackling this global problem.*

*I love nature so it was nice seeing all the plants, wildlife and biodiversity around the lake, rimba ilmu and Kuala Selangor. Visiting Farm Fresh was a blessing in disguise for me as I liked the different vegetables and chickens.*

**FARDHIN**

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*I had no clue about policy and it's importance beforehand, but became more and more interested throughout the activities. Comparing the UK the Malaysian approaches to achieving Net Zero was a common activity and made me aware each country's approaches.*

*I also enjoyed learning more about the UN SDGs, a lovely framework to ensure a sustainable future. Originally I thought this was mainly about the environment but was educated throughout the programme about the economic and societal side.*

*But most of all I enjoyed getting to know more about Malaysia with a wonderful group of people. UM Buddies, classmates and even my roommate Yousuf. Nasi Lemak, Nasi Goreng, Char Kuey Teow - I will miss these foods, the weather and everyone dearly.*

**FARDHIN**

”



*“There were so many practical activities which were not only fun but also showed me the real problems in the world and how we should implement solutions based on sustainability.”*


“

*Firstly, I would love to thank ALL of YOU from Universiti Malaya for an unforgettable experience. I didn't have any expectations of the programme itself but after a month I realised it has been the best experience in my life. Universiti Malaya is full of passionate people who are really engaged into Sustainability. UM society is very unique. I met so many people there who will stay in my mind for ever. Everybody from UM was very engaged into taking care of us from Coventry University.*

**OLIWIA**

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*There were so many practical activities which were not only fun but also which showed me the real problems on the world and how should we implement solutions based on sustainability to change the world for better. Additionally, I really enjoyed Malaysia itself. The country is amazing, the variety of food, nature, people and atmosphere. I also experienced my 20th birthday here in Malaysia. I'll remember it for the rest of my life.*

*Thank you Malaysia, thank you Universiti Malaya for fantastic memories! 🇲🇾❤️*

**OLIWIA**



“The Net Zero program was super fun, and I actually learned a lot”

“

*I don't want to go back, it doesn't feel like it's been a month. Before coming to Malaysia, I thought the Net Zero program would be filled with boring lectures. But in reality, it was super fun, and I actually learned a lot. All the activities we did were amazing, from the workshops to the field trips. Special thanks to all the buddies who showed us around and took us to different places. Their efforts made this experience unforgettable.*

*# I don't like durian*

**GAURAV**

”



*“My favorite parts of our itinerary have been the more hands on activities in nature like catching the catfish and seeing all the wildlife in Kuala Selangor”*



*This month has passed way too quickly. I feel like I've become so comfortable being in KL. Before coming here I didn't really know what to expect. I really have fallen in love with Malaysia and I will really miss this programme and all the people involved. I will never get tired of seeing all the street cats especially on campus. The weather is so good even though my hair doesn't agree with the humidity.*

*Thank you Andi for finding vegan nasi lemak!!! I love all our global buddies and I wish we had a similar programme at Coventry. It's been amazing getting to experience UM student activities especially the musical night and the Japanese event.*

*My favorite parts of our itinerary have been the more hands on activities in nature like catching the catfish and seeing all the wildlife in Kuala Selangor. When I get back to the UK I would like to be involved in conservation activities because I think it's really fulfilling.*

**ALICE**





I will be using my plastic wallet for the rest of my life because I'm so proud of it 😊 It's so nice as well how much our time here has been documented so thank you so much for all of the photos and videos and for taking such good care of us. My favorite fun activity was the cultural day and I'm so happy to have my calligraphy/batik souvenirs to take home. I am already working on my next Malaysia bucket list because I need to try bubur chacha and go hiking and discover more wildlife and go to the science museum 😊 I will miss the architecture as well and all of the greenery even in urban spaces. The religious buildings are really breathtaking, especially at the batu caves. It would be so nice if I can come back for a study abroad year!

**ALICE**





“The program has given me a comprehensive understanding of sustainability that will be invaluable for my future endeavors”

*The activities and academic work has been very insightful. The program has given me a comprehensive understanding of sustainability that will be invaluable when pursuing my future endeavours. I would also like to express the admiration I have for the Universiti Malaya and various organisations for their efforts towards sustainability, the commitment and work is very inspiring. I have thoroughly enjoyed this trip and cannot thank you enough for the students and staff that have made this experience special.*

**JAMES**





*“I completely learned about the concept of environmental protection and appreciated the efforts made by Universiti Malaysia for this project”*

*It's a wonderfully surprising well-planned environmental project. First of all, I completely learned about the concept of environmental protection and appreciated the efforts made by Universiti Malaysia for this project over the years, and the results were confirmed by the data. And, we are confident in our future prospects. This project also cultivated my self-confidence and concrete problem-solving skills. For example: How do I ask the right question? How the teacher answers the students' questions correctly. This laid a solid foundation for my future career. Thanks to this program, I have the opportunity to experience the full university life.*

**NAN-JI**



*“I’ve enjoyed learning from many different experts and challenging myself to ask questions in different sustainable areas”*



*I had a good time here 🧐🍷*

*Port Dickson was my favorite place thank you for setting that up for us. I’ve enjoyed learning from many different experts and challenging myself to ask questions in different sustainable areas.*

*The day that we learnt about sustainable mobility and spoke to the people from InvestKL was very interesting to me. Peace out! 🌿🌸 And remember don’t leave no one behind!*

**HUGO**



*“I'm truly grateful for the experience I had during the Malaysia Net Zero Exchange Programme and for the wonderful friends I made along the way”*

“

*One of the best month spent with amazing people. I'm truly grateful for the experience I had during the Malaysia Net Zero Exchange Programme and for the wonderful friends I made along the way. A special shoutout to the buddies on this trip – their presence made every moment more enjoyable. I can't wait to return to Malaysia soon (maybe next month if I get bored in China 🧑) and wish everyone all the best for their future endeavors*

**JUN**

”



“The programme has given me an understanding of sustainability in various fields and has shown me how we, as global communities, can collectively help achieve Net Zero emissions”

“

*It has been a very educational and fun month overall, and I enjoyed every moment of it. The programme has given me an understanding of sustainability in various fields, from AI to UN SDGs policies (which I did not know beforehand), and has shown me how we, as global communities, can collectively help achieve Net Zero emissions. Additionally, being able to interact with wonderful, talented people from UM and many external organisation through various activities has been an amazing learning experience and now I have built a solid foundation in my knowledge on sustainability. Also, Malaysia is a beautiful, vibrant country with most kind-hearted people in the world and would love to come back again for some time and visit many cities and islands in Malaysia In’Sha’Allah . Most importantly, I would like to thank everyone involve – UM staff, UM buddies, UM drivers, and my group members for this lovely, lifetime experience. Terima Kasih*

**RAHEELA**

”



*“I feel like I’ve made friends for life and I can’t wait to come back and learn more about this lovely place in the future”*

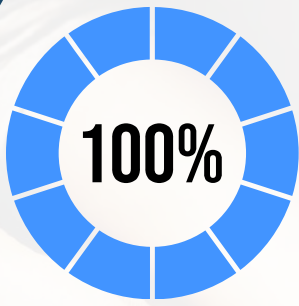
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*Absolutely phenomal experience. I don’t know what was more breathtaking the sights or the activities. The buddies were responsible but extremely fun and the course itself was super informative as well as engaging and enjoyable. I feel like I’ve made friends for life and I can’t wait to come back and learn more about this lovely place in the future. Kindest regards and yours sincerely,*

**YOUSUF**

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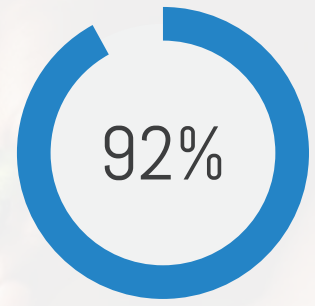
# Feedback UM ESD Mobility Program 2024 on Just Net-Zero for Coventry University, UK



**100% Participants satisfied with UM ESD Mobility Program 2024**



**92% of participants stated that this program exceeded their expectations**

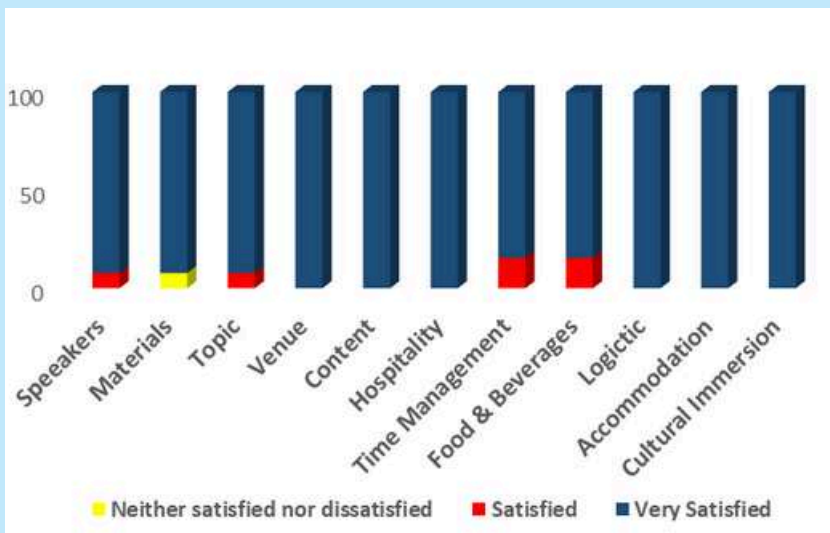


**AND would recommend this program to a friend or colleague**

## The speakers, instructors and guides of this program

Explained the purpose of the event	★★★★★★★★
Presented concepts in a clear and easy-to-understand way	★★★★★★★★★★
Maintained my interest throughout the duration of the event	★★★★★★★★
Encouraged attendee participation	★★★★★★
Thoroughly answered questions from participants	★★★★★★★★

## How satisfied are you with the following aspects of the program?



## What did you like most about the event?

**Photos of each day**  
 Cop28 session  
 Different culture  
**Kuala Selangor!**  
 Conference day  
 Trip day  
 site visits  
**Kayaking**  
 Organised Programme

# Acknowledgements

## UMSDC Team:

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Hanis Karina Mohamed Amin

## Collaborators & Supporting Partners:

All-Party Parliamentary Group Malaysia- SDG (APPGM-SDG)  
Faculty of Science UM  
Institute for Advanced Studies (IAS)  
Faculty of Built Environment UM  
UM Sports Centre  
Water Warriors UM  
Rimba Ilmu Botanical Garden UM  
UM Zero Waste Campaign (UM ZWC)  
Faculty of Engineering UM  
EcoKnights  
Haramakers  
Putrajaya Corporation  
Fasiliti Inovasi Kita Semula (FIKS)  
Prasarana Malaysia Berhad  
InvestKL  
Kuala Selangor Nature Park  
Inspirasi Kawa  
Selangor Maritime Gateway (SMG) Project @ Sungai Klang

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*Home of the Bright, Land of the Brave*  
*Di Sini Bermulanya Pintar, Tanah Tumpahnya Berani*