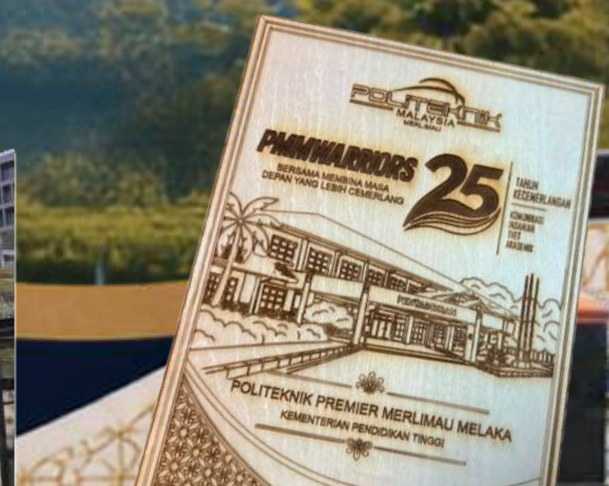
POLITEKNIK MALAYSIA
MERLIMAU

CHINA ASEAN EDUCATION COORPERATION WEEK (CAECW) 2026

EXCHANGE KNOWLEDGE SERIES:

ADVANCING TECHNOLOGY, SUSTAINABILITY AND BUILT HERITAGE



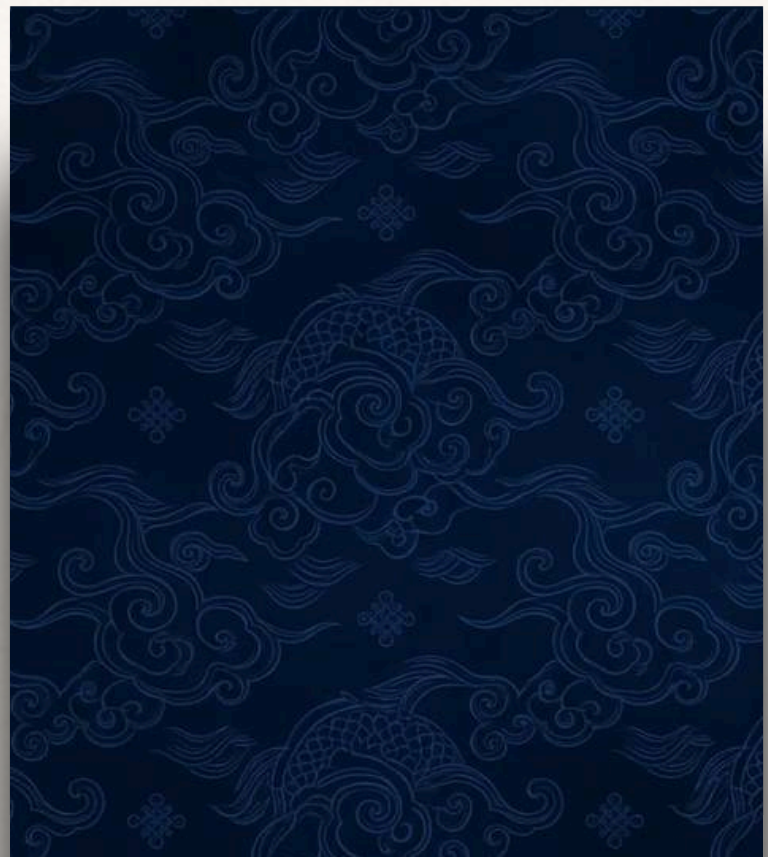




CHINA ASEAN EDUCATION COORPERATION WEEK (CAECW) 2026

EXCHANGE KNOWLEDGE SERIES:

ADVANCING TECHNOLOGY, SUSTAINABILITY AND BUILT HERITAGE





i





COPYRIGHT

PERSPUSTAKAAN NEGARA MALAYSIA
Catalogue-in-publication data

Politeknik Merlimau Melaka and Guizhou Education Association for International Exchange in conjunction with China-ASEAN Education Cooperation Week (CAECW) 2026

Authors & editor:
Fadhillah binti Mohd Nasir
Ayati binti Parmen,
Aliah Safiah Binti Aminuddin
Muhammad Amir Syafi bin Muhamad Zabli

NO ISBN: 978-629-7737-77-5

Publisher:
Politeknik Merlimau Melaka
KM2.5 Jalan Jasin-Merlimau
77300 Merlimau, Melaka

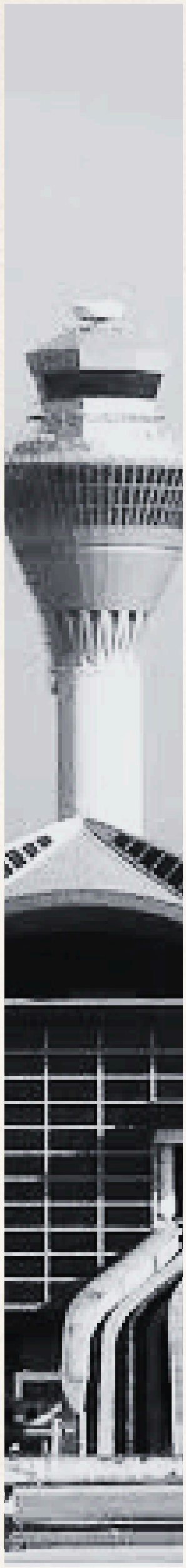
Copyright © 2026 Politeknik Merlimau Melaka

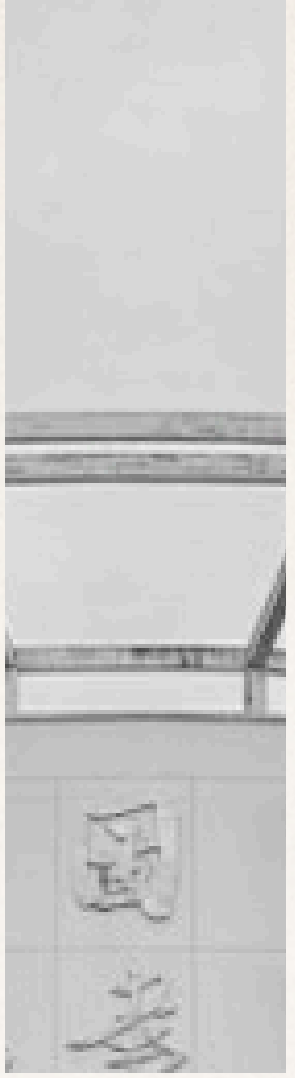
All rights reserved. No part of this book may be reproduced in any form by electronic or mechanical means, including information storage and retrieval systems, without permission in writing from the Polytechnic Merlimau Melaka.

eISBN 978-629-7737-77-5

9 786297 737775








PREFACE

This coffee table book is a visual documentation of the **China-ASEAN Education Coorporates Week** (**CAECW**) **2026: Knowledge Exchange Series - Advancing Technology, Sustainability and Built Heritage** in China, capturing the memorable experiences, cultural discoveries, and valuable insights gained throughout the programme.

This educational initiative provides opportunities for knowledge sharing, cultural exploration and international collaboration. Through academic visits, cultural activities and interactions with local communities in Guizhou, China where participants gain a deeper understanding of technological advancements, sustainable practices and the importance of preserving built heritage.

Through photographs and reflections, this book records the journey, experiences and knowledge gained throughout the programme. It serves as a meaningful collection of memories and learning experiences that inspire future innovation, cultural appreciation and sustainable development in the built environment.









TABLE OF CONTENTS

PREFACE i-vi

INTRODUCTION 01-02

03-06 FLAG OFF

07-62 ACTIVITIES

DAY 1 19th SEPTEMBER 2026 — 07-10

DAY 2 20th SEPTEMBER 2026 — 11-16

DAY 3 21st SEPTEMBER 2026 — 17-26

DAY 4 22nd SEPTEMBER 2026 — 27-34

DAY 5 23rd SEPTEMBER 2026 — 35-54

DAY 6-7 24th-25th SEPTEMBER 2026 — 55-62

KEY TAKEAWAYS 63-64

COMMITTEE AND ROLES 65







INTRODUCTION







China Asean Education Cooperation Week (CAECW) 2026: Exchange Knowledge Series: Advancing Technology, Sustainability and Built Heritage is an educational programme held in Tongren, Guizhou, China. The programme aims to broaden students knowledge and perspectives through academic visits, cultural exchanges, and exposure to different approaches in architecture and the built environment.

Throughout this programme, students had the opportunity to explore technological advancements, sustainable practices, and the importance of preserving built heritage. This experience also encouraged cross-cultural understanding, knowledge sharing, and the exchange of ideas between students from different backgrounds.

FLAG OFF


POLITEK
First Quality Envir
Certified Polyt
SELAMAT D
ISO 21001:
مرليماو
POLITEKNIK


nment (5S)
achnic
ATANG
2018
MERLIMAU



The flag-off ceremony for the China-ASEAN Education Cooperation Week (CAECW) 2026 – Knowledge Exchange Series was officiated by the Deputy Director (Academic), Madam Faridatuljana binti Mohd Noor and the Deputy Director (Academic Support), Ts. Zan Aizuwan bin Zainal Abidin.







The ceremony marked the official send-off of the delegation for the Knowledge Exchange Series 2026, scheduled from 20th to 24th September 2026, under the theme “Advancing Technology, Sustainability and Built Heritage,” signifying the institution’s commitment to fostering international academic engagement, knowledge exchange and cross-cultural collaboration.

DAY 1







The journey begins from PMM to KLIA1 ~ Guiyang awaits





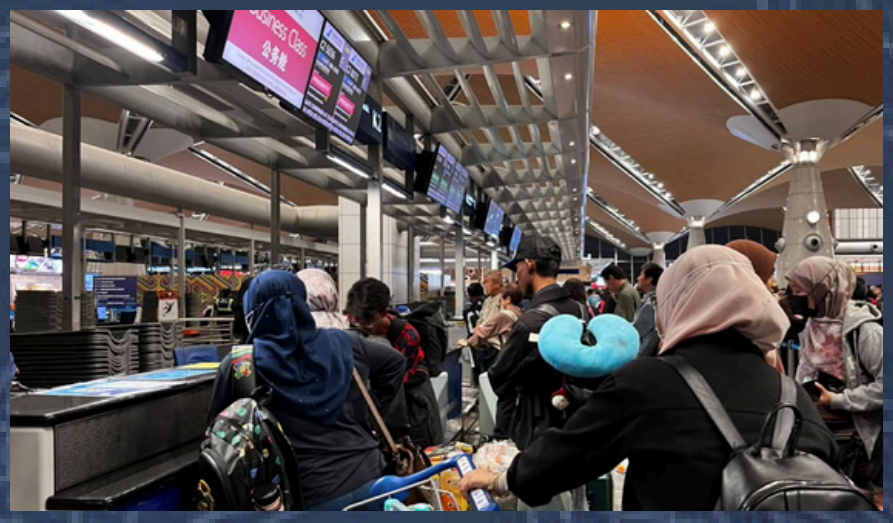




The delegation brought together 16 participants, comprising 1 management representative, 7 academic staff members and 8 students ~ all set to embark on an exciting journey of knowledge exchange, cultural discovery and international collaboration.







DAY 2





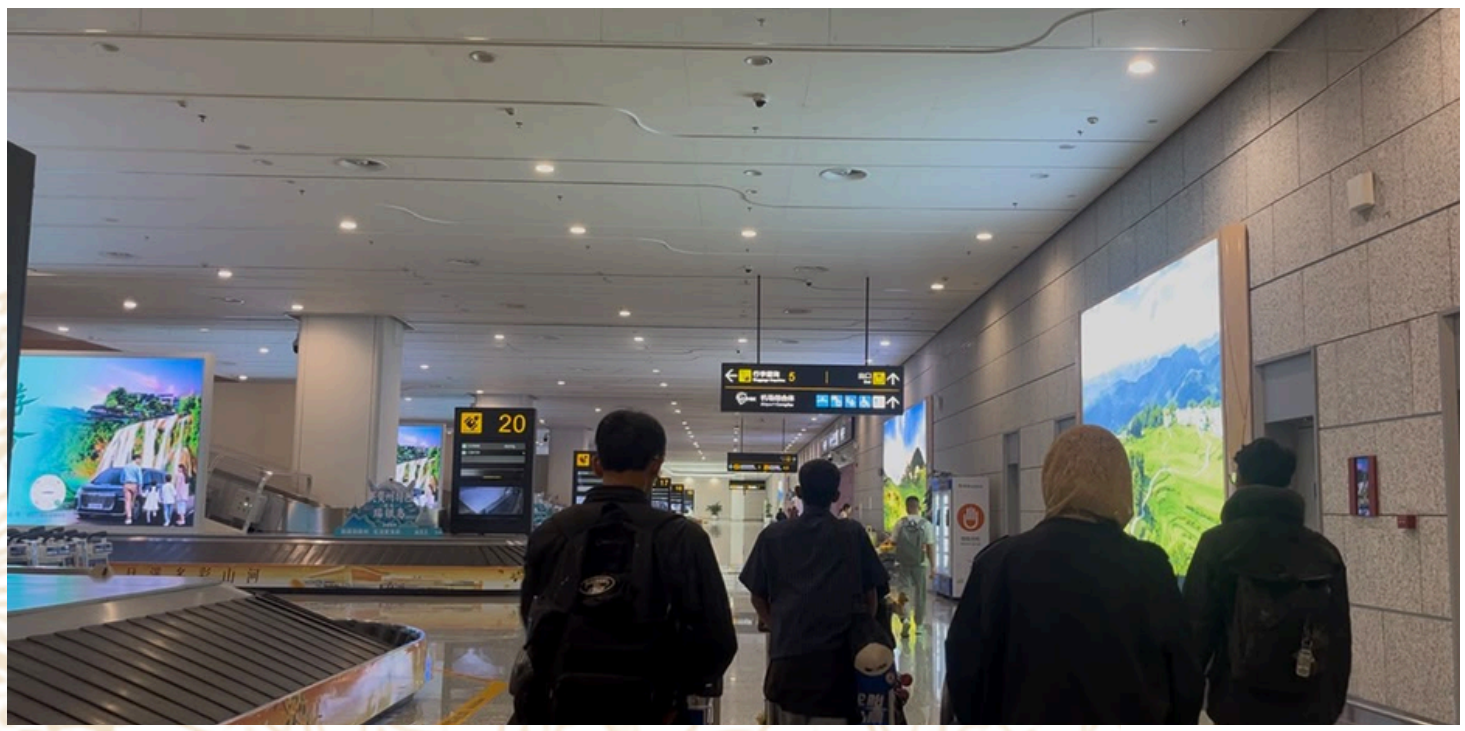


The delegation arrived at Guiyang Longdongbao International Airport (KWE), Guizhou Province, China before embarking on an approximately five-hour bus journey to Tongren. The overland journey offered an introduction to Guizhou's picturesque mountainous landscapes, leading to Tongren, a city renowned for its natural beauty, rich cultural heritage and tranquil surroundings.




中交高速 | 余庆服务区
CCCC-EXPRESSWAY
Yu qing Service Area
超市
SUPERMARKET
开水间
BOILER ROOM
卫生间
TOILET
CFreeGo 路游憩
特色小吃
SPECIALTY SNACKS
特色粉面
SPECIALTY NOODLES


24
T3 国内、国际、港澳台出发
Domestic /Int'l /HK/Macao/Taiwan Departures
22
20
3F


20



TONGREN

Located in northeastern Guizhou Province, China, Tongren is renowned for its breathtaking mountainous landscapes, rich cultural heritage, and ecological diversity. Tongren is renowned for its breathtaking mountainous landscapes, rich cultural heritage and ecological diversity. Home to Fanjingshan, a UNESCO World Natural Heritage Site, the city places strong emphasis on environmental conservation and sustainable development.

Tongren is also recognised for its rich medicinal plant resources, traditional herbal practices and growing ecological food and wellness industries, reflecting a close relationship between nature, health and local traditions.

Beyond its remarkable natural landscapes and rich cultural heritage, Tongren is progressively establishing itself as a centre for green development with growing investments in solar and wind energy, advanced battery materials and sustainable energy technologies.

The Knowledge Exchange Series 2026 involved academic visits and engagement with three (3) participating institutions in Tongren, Guizhou Province, China:

(i) Tongren Polytechnic University
(ii) Tongren Preschool Education College, and
(iii) Guizhou Health Vocational College

These institutions formed an integral part of the programme, providing opportunities for academic exchange, knowledge sharing, exposure to educational practices, and discussions on potential future collaborations. The visits aimed to strengthen international academic networks, foster cross-cultural understanding, and explore opportunities for sustainable institutional partnerships.

DAY 3





The Knowledge Exchange Series 2026 involved academic visits and engagement with three (3) participating institutions in Tongren, Guizhou Province, China:

(i) Tongren Preschool Education College
(ii) Tongren Polytechnic University, and
(iii) Guizhou Health Vocational College

These institutions formed an integral part of the programme, providing opportunities for academic exchange, knowledge sharing, exposure to educational practices, and discussions on potential future collaborations. The visits aimed to strengthen international academic networks, foster cross-cultural understanding, and explore opportunities for sustainable institutional partnerships.

VISIT TO TONGREN PRESCHOOL EDUCATION COLLEGE

During the visit, valuable observations were made on how young children engage in learning through interactive activities, creative play and hands-on experiences. The session offered meaningful insights into the educational environment and teaching approaches that foster creativity, communication skills and holistic child development.

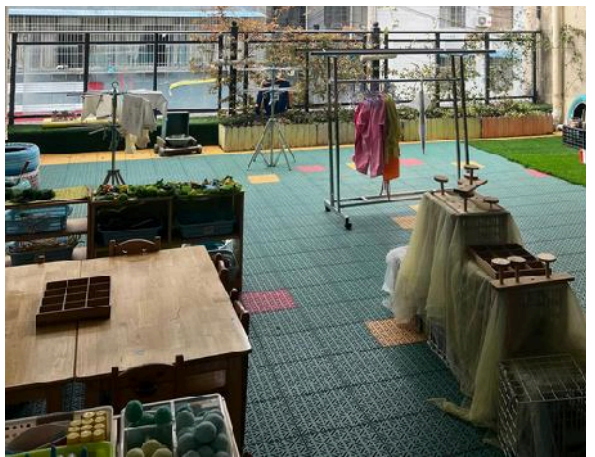














VISIT TO INTANGIBLE CULTURAL HERITAGE CENTER







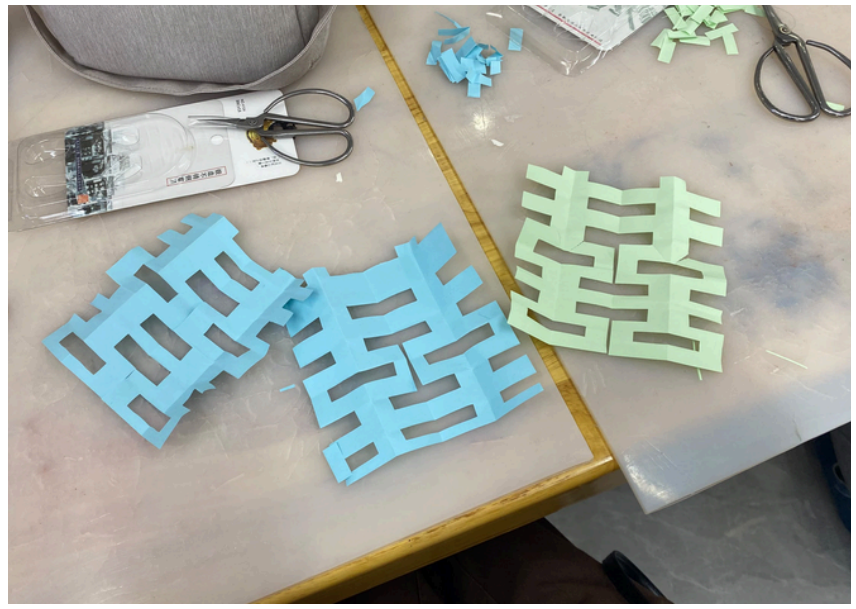


Explored the Intangible Cultural Heritage Center, discovering traditional crafts, cultural practices and heritage displays that reflect the richness of local traditions and the importance of cultural preservation.

SHORT COURSE 1:
PAPER CUTTING TECHNIQUE









The workshop offered an engaging hands-on experience in traditional paper-cutting art, allowing participants to explore patterns and designs through fundamental cutting techniques. Beyond developing artistic skills, the activity provided valuable insights into the creativity, craftsmanship, and cultural significance of this traditional art form, highlighting the importance of preserving intangible cultural heritage.

SHORT COURSE 2:
TRADITIONAL FAN MAKING



The traditional bamboo fan-making workshop provided participants with a hands-on experience in crafting decorative hand fans using bamboo as the primary material. The activity introduced traditional crafting techniques while encouraging creativity, artistic expression and an appreciation of the cultural significance of bamboo handicrafts. The activity highlights the importance of preserving traditional skills and craftsmanship.







SHORT COURSE 3:
ETHNIC NATURAL DYEING



The traditional textile dyeing workshop offered participants an experience in exploring ethnic dyeing techniques and the artistic application of colours and patterns in traditional fabrics. The activity highlighted craftsmanship, creativity and cultural symbolism embedded in textile designs. It fostering a deeper appreciation of traditional knowledge and the importance of preserving this unique cultural heritage.








DAILY
G-WINSUN





CULTURAL VISIT TO ZHONGNANMEN ANCIENT CITY

The cultural visit to Zhongnanmen Ancient City offered an opportunity to explore Tongren's rich architectural heritage and historic urban landscape, reflecting more than 600 years of cultural development. Characterised by traditional Ming and Qing dynasty architecture, the historic district features narrow stone-paved streets, courtyard residences, grey-tiled roofs, intricately carved windows and distinctive traditional shopfronts.





The arrangement of buildings along interconnected streets and the scenic Jinjiang River illustrates the relationship between traditional urban planning, natural surroundings and community life.

Beyond its architectural significance, the visit provided insights into how historic buildings and public spaces continue to support cultural activities, local businesses and contemporary urban life. The experience highlighted the importance of heritage conservation, adaptive reuse and cultural preservation in maintaining architectural identity while allowing historic environments to remain relevant to present-day communities.



DAY 4





VISIT TO
TONGREN POLYTECHNIC UNIVERSITY





The delegation paid an official visit to Tongren Polytechnic University which included a ceremonial exchange of souvenirs with lecturers and university representatives as a gesture of appreciation, goodwill and commitment to strengthen institutional relationships and fostering future academic collaboration.



SHORT COURSE 4: HAND-CRAFTING WORKSHOP



The traditional Chinese handicraft workshop provided participants with an engaging hands-on experience in creating decorative keychains and bag charms inspired by traditional Chinese designs. The activity encouraged creativity and artistic expression.













The botanical leaf-printing workshop offered experience in transferring natural leaf patterns onto tote bags using a gentle tapping technique. The activity encouraged exploration through nature-inspired designs while promoting environmental awareness, sustainable creativity and an appreciation of natural materials in contemporary textile applications.

SHORT COURSE 5:
BOTANICAL LEAF-PRINTING WORKSHOP (HANDICRAFTS)





VISIT TO THE HIGH-TECH CAMPUS OF TONGREN POLYTECHNIC UNIVERSITY



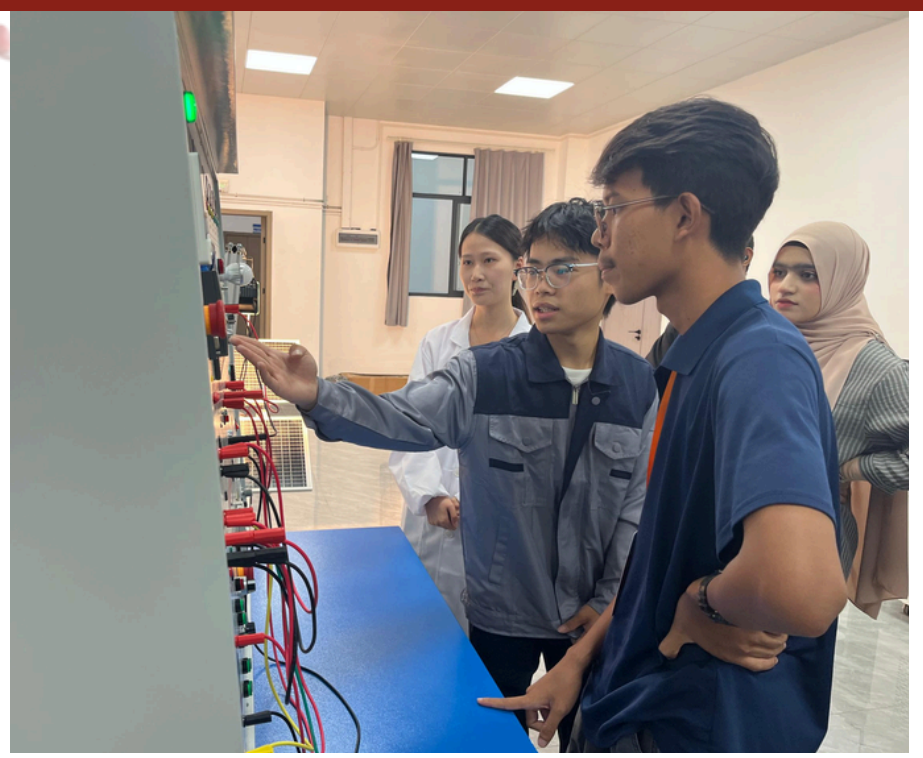
The session provided valuable insights into how the institution adapts its technical education and training to meet the rapidly evolving demands of the electric vehicle (EV) industry. The activity highlighted the importance of industry-driven curricula, hands-on technical training and workforce readiness in preparing graduates for the future of sustainable mobility and automotive innovation.



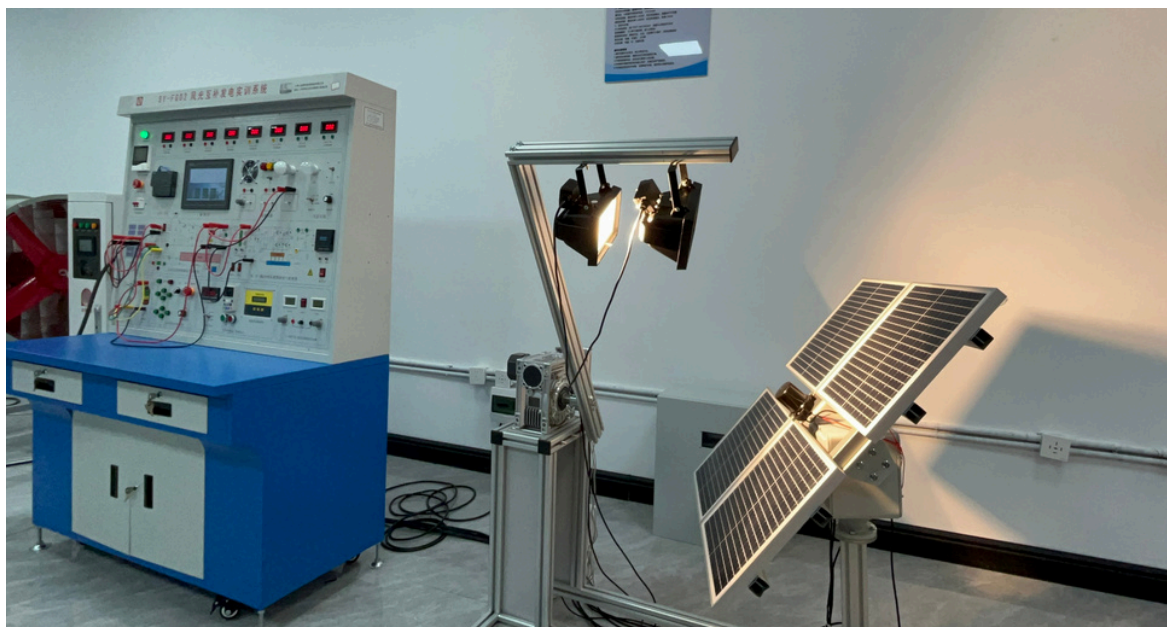




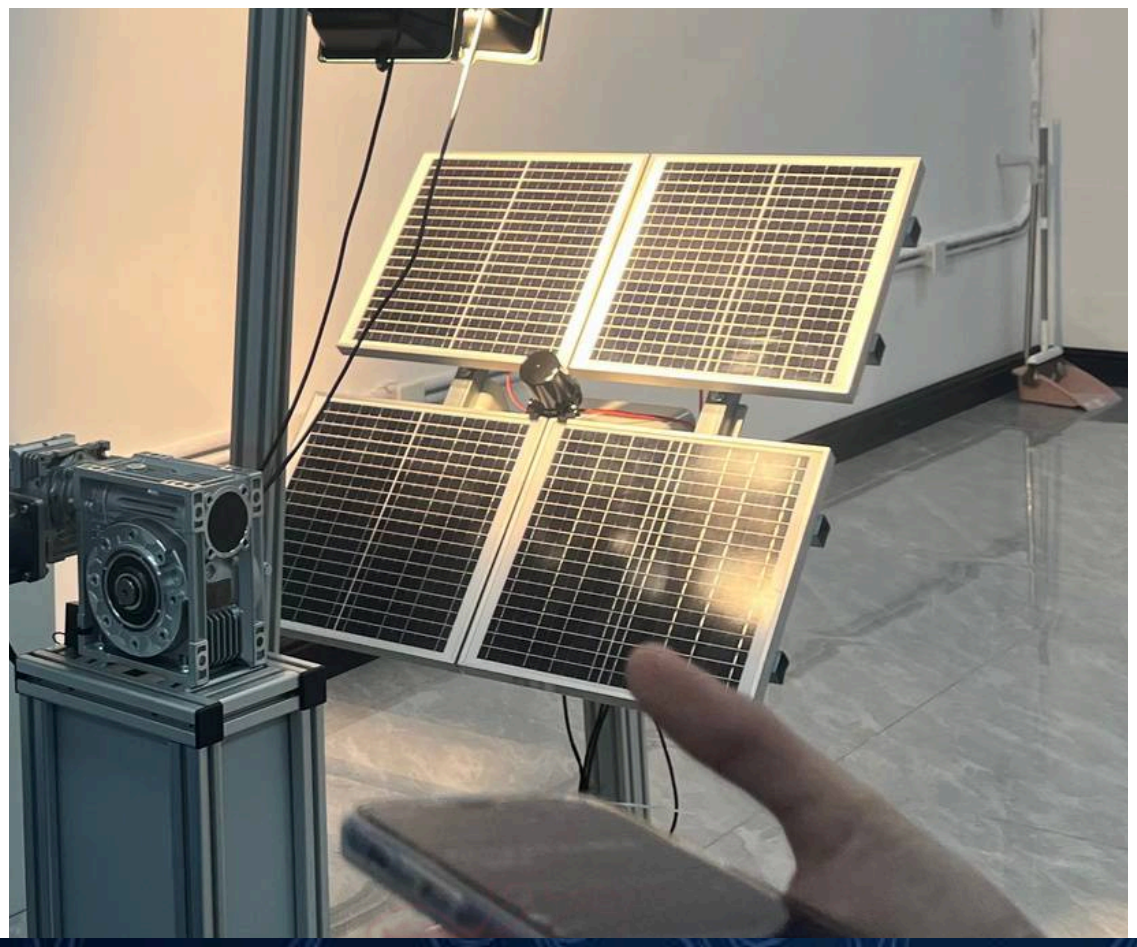
SHORT COURSE 6:
RENEWABLE ELECTRICITY GENERATION THROUGH SOLAR AND WIND ENERGY TECHNOLOGIES







The session highlight insights into electricity generation through solar photovoltaic systems and wind turbines. The session emphasise the significance of renewable energy technologies and promoting environmental sustainability and supporting the transition towards a greener, low-carbon future.




精研机电 匠心铸魂



DAY 5




法治
爱国
敬业
诚信
友善



VISIT TO GUIZHUO HEALTH VOCATIONAL COLLEGE







The visit to the Ethnic Medicine Exhibition Hall at Guizhou Health Vocational College provides valuable insights into traditional medicinal practices, indigenous herbal resources and the cultural knowledge associated with ethnic medicine. The exhibition highlighted the significance of traditional healthcare practices, and the importance of preserving this valuable cultural heritage for future generations.



The first aid training session introduced to essential emergency response techniques including Cardiopulmonary Resuscitation (CPR) through practical learning activities. The session enhanced participants' understanding of basic life-saving procedures, emphasising the importance of prompt intervention, emergency preparedness, and the ability to respond effectively in critical situations.



SHORT COURSE 7:
FIRST AID AND HEALTHCARE-REHABILITATION TECHNIQUES







SHORT COURSE 8:
PAPER CUTTING ARTCRAFT

The session introduced traditional paper-cutting as a creative rehabilitation activity, demonstrating its potential to enhance concentration and fine motor coordination. The experience highlighted how traditional crafts can be incorporated into therapeutic practices to support cognitive engagement, creativity and personal well-being.






黔马职业教育国际合作系列活动
T International Cooperation Program
学院 铜仁幼儿师范高等专科学校 铜仁职业技术大学
VocationalCollege Tongren Preschool Education College Tongren Polytechnic University





SHORT COURSE 9:
TRADITIONAL CHINESE HERBAL SACHET-MAKING

It is a hands-on experience in creating traditional Chinese herbal sachets using selected aromatic herbs and natural ingredients. The activity introduced the cultural significance of herbal sachets in Traditional Chinese Medicine, highlighting the relationship between medicinal plants, traditional wellness practices and cultural heritage while encouraging creativity and an appreciation of indigenous knowledge.






交流周黔马职业教育国际合作系列
sia TVET International Cooperation Pro
州健康职业学院 铜仁幼儿师范高等专科学校 铜仁职业技
Guizhou HealthVocationalCollege Tongren Preschool Education College Tongren Polytechn
2026中国－东盟教育交流周
2026 China-ASEAN Education Cooperation Week
seewo





KNOWLEDGE SHARING 1:
SUPERFOOD: LOCAL INNOVATION, GLOBAL SUSTAINABILITY









Presenter:
MADAM NORMALA BINTI SULAIMAN
MADAM HAMIDAH BINTI MD YUSOH
MADAM IZATUL SYAZREEN BINTI MOHD ISMAIL
Centre of Technology (COT)

McLiva addresses the underutilisation of Phyllanthus emblica (Indian gooseberry or amla) in Melaka, where its naturally sour, astringent and bitter taste limits consumer acceptance despite its nutritional potential. Through an innovative agro-upcycling approach, the project transforms this overlooked landscape resource into a value-added, ready-to-drink functional beverage using sensory optimisation and botanical formulation techniques. Laboratory nutritional analysis, reported to have been conducted through a SAMM 336-accredited facility, indicates a favourable nutritional profile characterised by vitamin C and potassium content, low caloric value and the absence of detectable cholesterol and saturated fat. By integrating waste valorisation, product innovation and commercialisation potential, McLiva presents a sustainable approach to converting underutilised natural resources into marketable products. The innovation aligns with the objectives of SDG 2 (Zero Hunger), SDG 3 (Good Health and Well-being), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action) and SDG 15 (Life on Land), demonstrating the potential of circular agro-innovation to support environmental sustainability and economic value creation.

KNOWLEDGE SHARING 2:
SOLAR TRACKING AND MONITORING SYSTEM FOR RESIDENTIAL APPLICATION









Presenter:
DR NORMAZLINA BINTI MAT ISA
SR DR. HJH AYATI BINTI HJ PARMEN
Centre of Applied Sustainable Technologies (COAST)

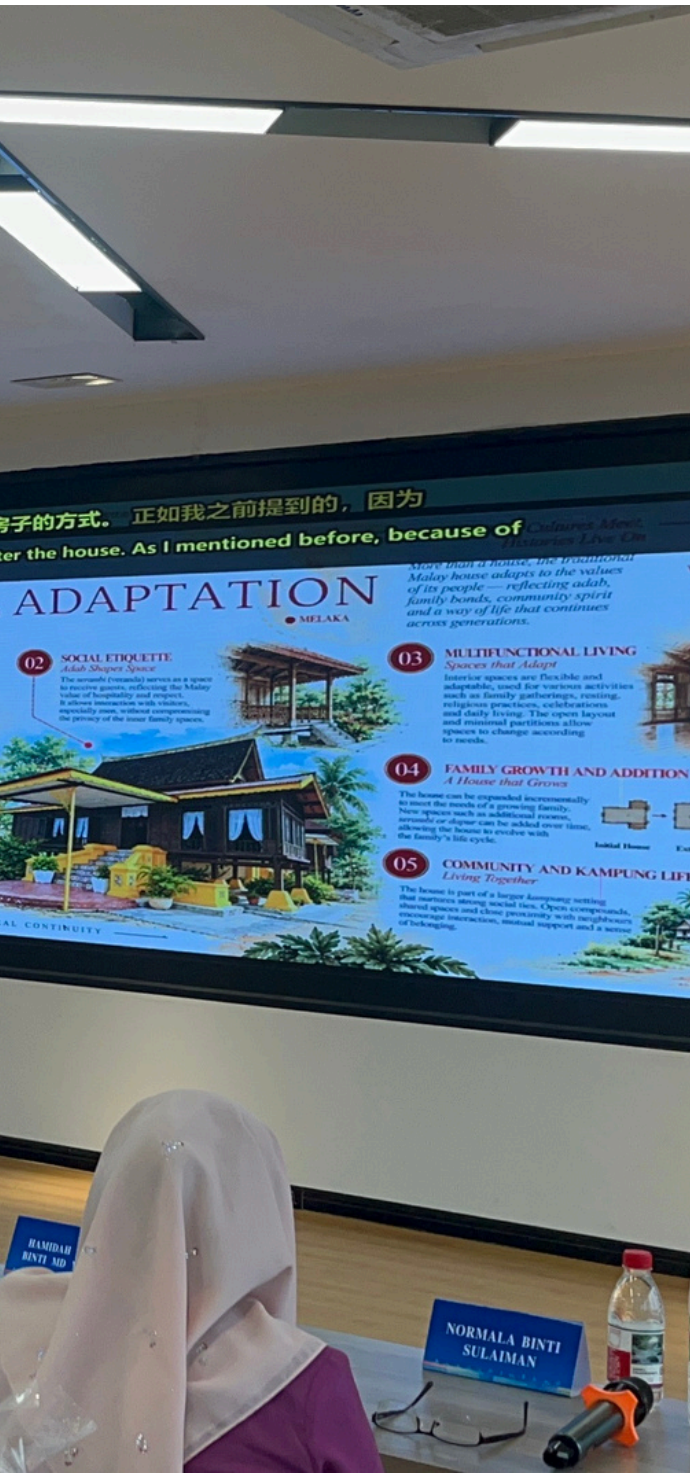
The growing adoption of residential solar photovoltaic (PV) systems has increased the demand for efficient energy harvesting and intelligent performance monitoring. However, conventional fixed-position solar panels are unable to adapt to the sun's changing position throughout the day, potentially limiting solar energy capture and overall system performance. This project introduces the Solar Tracking and Monitoring System (STAMONS), an intelligent renewable energy solution integrating Programmable Logic Controller (PLC) automation and Internet of Things (IoT) technologies. The system automatically adjusts solar panel orientation in response to sunlight conditions while enabling real-time monitoring of solar irradiance, voltage, current, power output and battery status. By combining automated solar tracking with IoT-enabled data monitoring, STAMONS aims to optimise energy harvesting, facilitate performance evaluation and support more efficient residential energy management. The innovation provides a valuable platform for Green TVET education, renewable energy systems and smart technologies.

KNOWLEDGE SHARING 3:
BUILT HERITAGE OF MELAKA, MALAYSIA: ARCHITECTURE, IDENTITY AND CULTURAL CONTINUITY









Presenter:
MADAM NOOR AINI BINTI MISTAR
MADAM FADHILLAH BINTI MOHD NASIR
Balai Alam Bina Nusantara (BANTARA) – Heritage Resource Centre

Melaka's built heritage represents a rich architectural legacy shaped by centuries of maritime trade, cultural exchanges and historical influences. Recognised as a UNESCO World Heritage City, Melaka reflects the harmonious coexistence of Malay, Chinese, Indian and European architectural traditions, contributing to its distinctive multicultural identity. This presentation explores the relationship between architecture, cultural identity and historical continuity through the examination focusing on the traditional Malay houses. It emphasises on how architectural forms, traditional construction techniques and cultural practices reflect the values, lifestyles and identities of the communities that shaped Melaka's built environment.

Through measured drawing, architectural recording and conservation initiatives, built heritage can be preserved not only as physical structures but also as valuable sources of traditional knowledge and cultural memory. Ultimately, theheritage conservation extends beyond preserving buildings; it is about sustaining cultural identity, maintaining historical connections and ensuring that architectural traditions remain meaningful for future generations.

KNOWLEDGE SHARING 4:
TRAVELOGUE: ARCHITECTURE STUDENT JOURNEY IN DOCUMENTING MELAKA HERITAGE









Presenter:
MOHAMAD MUQHRIZ BIN MOHAMAD SYAHRIZAN
‘AAINAA NABILAH BINTI MOHD IRWAN
SITI HAJAR BINTI MOHD AKBAR
MUHAMMAD NABIL BIN MUHAMAD NIZAM
ALIAH SAFIAH BINTI AMINUDDIN
MUHAMMAD AMIR SYAFI BIN MUHAMAD ZABLI
KAUTHAR TIHANI BINTI ZUBIR ISMAIL
MUHAMMAD AMINURRASYID BIN AMIN
Final Semester Students of Diploma in Architecture

This student-led travelogue showcases an architectural exploration of selected traditional Malay houses across Alor Gajah, Banda Hilir and Merlimau in Melaka, Malaysia. Through field visits and architectural documentation, students examined the distinctive characteristics of Malay houses in different localities, focusing on variations in architectural forms, spatial arrangements, roof designs and traditional construction details. The journey highlights the diversity of Melaka’s vernacular architecture while fostering a deeper appreciation of local craftsmanship, cultural identity and the importance of preserving traditional Malay architectural heritage.

SCAN HERE!

CLOSING CEREMONY













The closing ceremony featured an appreciation address delivered on behalf of the Malaysian delegation by Madam Faridatuljanna binti Mohd Noor, Deputy Director (Academic) of Politeknik Merlimau Melaka. The address conveyed sincere gratitude to the host institutions for their warm hospitality, valuable knowledge-sharing opportunities and commitment to fostering meaningful academic and cultural exchanges.

The ceremony concluded with an official closing address delivered by the Head of the International Division, marking the successful completion of the Knowledge Exchange Series 2026. The occasion reaffirmed the importance of international academic collaboration, mutual understanding and the potential for continued partnerships between the participating institutions.

GRADUATION CEREMONY




2026中国—东盟教育交流周
2026 China-ASEAN Education Cooperation Week
贵州省教育国际交流协会
刘 璇

DAY 6-7




P T3 停
Terminal 3

FAREWELL TO TONGREN & ONWARD JOURNEY TO SHENZHEN FOR TRANSIT

Depart from Guiyang to Shenzhen where the transit period provided opportunities for self-directed cultural exploration and experiential learning. It gives a chance to observe Shenzhen's contemporary urbanisation, architectural developments and local lifestyle.










酒店
NAL HOTEL
泓鑫足道 SPA瑶浴


爱上青
北门
QING YUN






WU LONG TREE STREET

EXPERIENTIAL LEARNING & CULTURAL EXPLORATION IN SHENZHEN







Experience Drone Food Delivery: Linhua Mountain (Technology and Innovation Experience)

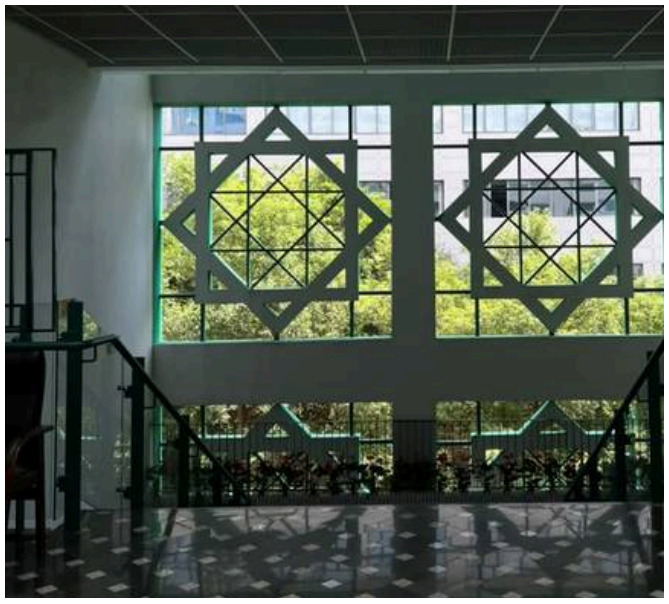






Visit Diwang Building

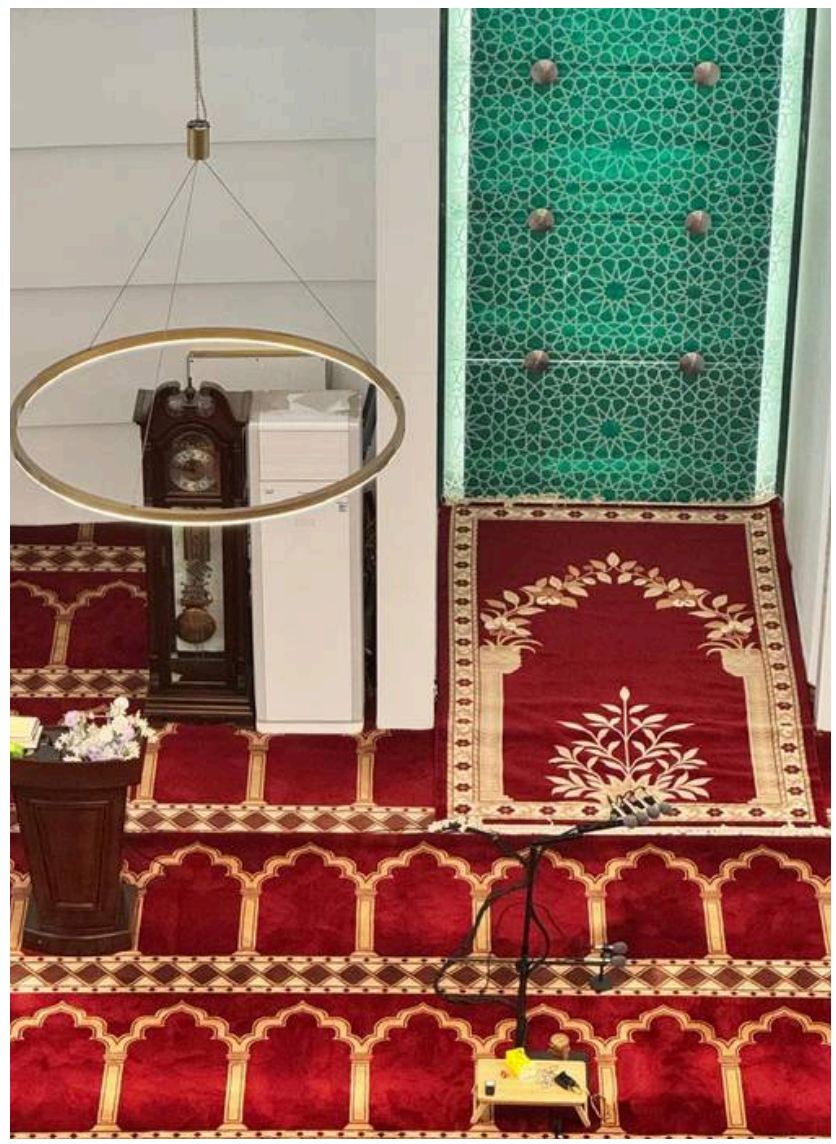












Visit Meilin Mosque

THE FINAL LEG: HOMEWARD BOUND







KEY TAKEAWAYS





The **Knowledge Exchange Series 2026: Advancing Technology, Sustainability and Built Heritage** marked a meaningful journey of academic discovery, cultural appreciation and international collaboration. Through institutional visits, knowledge-sharing sessions and hands-on activities, participants gained valuable insights into emerging technologies, industry-responsive TVET education, sustainable practices and cultural heritage preservation.

This opportunity served as a strategic platform for Politeknik Merlimau Melaka (PMM) to showcase its institutional strengths, expertise and distinctive capabilities, particularly through its Centre of Technology (COT), Centre of Applied Sustainable Technologies (COAST) and BANTARA (Measured Drawing Resource Centre). By presenting innovative projects, academic achievements and tangible outputs developed by its lecturers and students, PMM demonstrated its potential and value as an international academic partner.

Beyond academic exposure, the experience enriched participants' global perspectives thus encouraging cross-cultural learning experinces. The knowledge gained serve as a valuable foundation for enhancing teaching and learning, promoting innovation and supporting continued international engagement.

More than a journey across border, the programme represents a journey of shared knowledge, meaningful connections and lasting opportunities for growth and collaboration.

SCAN HERE!

Documentation and Multimedia Commitee

Authors & Editor
Fadhillah binti Mohd Nasir
Sr Dr. Hjh Ayati binti Hj Parmen
Aliah Safiah Binti Aminuddin
Muhammad Amir Syafi bin Muhamad Zabli

Politeknik Merlimau Melaka
KM2.5 Jalan Jasin-Merlimau
77300 Merlimau, Melaka
Tel: 06-236 6687 Fax: 06-263 6678

All rights reserved. No part of this publication may be reproduced, restored in any retrieval system or transmitted, in any form or any means, electronics, mechanical, photocopying, recording or otherwise, without prior permission in writing from Politeknik Primier Merlimau Melaka

Advisor 1
Mdm Faridatuljana binti Mohd Noor

Advisor 2 and Programme Coordinator
Mdm Fadhillah binti Mohd Nasir

Secretary
Mdm Noor Aini binti Mistar

Committee Members:
'Aainaa Nabilah binti Mohd Irwan

Treasurer
Sr Dr. Hjh Ayati binti Hj Parmen

Committee Members:
Siti Hajar binti Mohd Akbar

Logistics and Travel Committe
Mdm. Izatul Syazreen binti Mohd Ismail

Committee Members:
Muhammad Nabil bin Muhamad Nizam

Academic and Content Committe
Dr. Normazlina binti Mat Isa

Committee Members:
Kauthar Tihani binti Zubir Ismail

Safety and Welfare Committee
Mdm Normala binti Sulaiman

Committee Members:
Muhammad Aminurrasyid bin Amin

Protocol and International Relations Committee
Mdm Hamidah Noor binti Md. Jusoh

CHINA ASEAN EDUCATION COORPERATION WEEK (CAECW) 2026

EXCHANGE KNOWLEDGE SERIES:

ADVANCING TECHNOLOGY, SUSTAINABILITY AND BUILT HERITAGE

